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Faunistic, geographical and biological contributions to the bee genus *Andrena* (Hymenoptera, Andrenidae, Andreninae) from Turkey

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Abstract

A survey of the bee genus *Andrena* Fabricius, 1775 was conducted between 2004 and 2011 in Turkey. A total of 2271 bee specimens, including 1721 females and 550 males, were identified at the subgenus and species level. As a result of morphological studies, 165 species belonging to 45 subgenera were identified. Subgenus of *Truncandrena* had the highest number of species observed in this survey. Two species were determined as a first record in Turkey. Geographical distribution of the species are given in Turkey. Common and rare species are assigned. Flight periods of the species are determined.

Keywords

Insecta, Hymenoptera, Andrenidae, wild bees, diversity, distribution, Anatolia, Turkey

Introduction

Sandbees, *Andrena* Fabricius, 1775, is the largest genus of bees in terms of numbers of species according to present day classification (Michener 2007). To date, *Andrena* contains about 1500 valid species. However, the actual number of species

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of *Andrena* may be higher, and estimated at about 2000 species (Dubitzky et al. 2010). *Andrena* is found throughout the holarctic region, and probably absent in the lowland tropics of Africa; it is also absent from the Antilles, and not known from Australia and south of Panama (Michener 2007). All species burrow their nests into the ground, often preferring sunny exposed areas with sparse or bare vegetation and sandy soils. Sandbees are typically solitary, that is, each female constructs its own nest. Many species of *Andrena* are polylectic and use pollen from more than a single plant family for the provision of their brood (Dubitzky 2005). Faunistic studies on the genus *Andrena* of Turkey are limited. Nevertheless there have been nearly 300 species reported from Turkey (Warncke 1966, 1969, 1974, 1975; Özbek 1976; Gusenleitner 1998; Patiny 1998; Gusenleitner and Schwarz 2000; Gusenleitner and Schwarz 2002; Grünwaldt et al. 2005; Dubitzky 2006; Scheuchl and Hazir 2008; Scheuchl and Gusenleitner 2009; Hazir et al. 2012; Scheuchl and Hazir 2012). This number is increasing over time.

Materials and methods

An extensive biogeographical survey was conducted during 2004–2010 (February -September) in seven different regions of Turkey (Central Anatolia, Mediterranean, Aegean, Black Sea, Eastern Anatolia, Southerneast Anatolia, Marmara). Bees were collected from wild flowers with sweepnets and aspirators. Bees were transferred to plastic boxes and killed with ethyl acetate vapors. The altitude and longitude and latitude coordinates were recorded for each site with a global positioning system (GPS) (Magellan) device. Adult bees were transported to the laboratory in plastic boxes and kept at 5°C until pinned. Identification of the species and subspecies were made according to Özbek (1975), Schönitzer et al. (1995), Michener (2000), Osytshnjuk et al. (2005), Warncke (1966, 1968, 1969, 1974, 1975) and Erwin Scheuchl's unpublished book "Key to Palaearctic Andrena species" and by comparing the specimens with the bee collections of the Zoologische Staatssammlung München, Germany and Oberösterreichisches Landesmuseum/Biologiezentrum in Linz, Austria. The collected specimens were deposited in the Wild Bee Museum of Turkey (TUYAM) established at Adnan Menderes University, Faculty of Arts and Science, Aydin-Turkey and Erwin Scheuchl's personnel collection in Germany. Distribution maps of most of species, also concerning Turkey, are to be found in Gusenleitner and Schwarz (2002).

Results

This study was a faunistic survey to determine the distribution of biological diversity of the bee genus *Andrena* in Turkey. 2271 bee specimens were collected from 7 regions

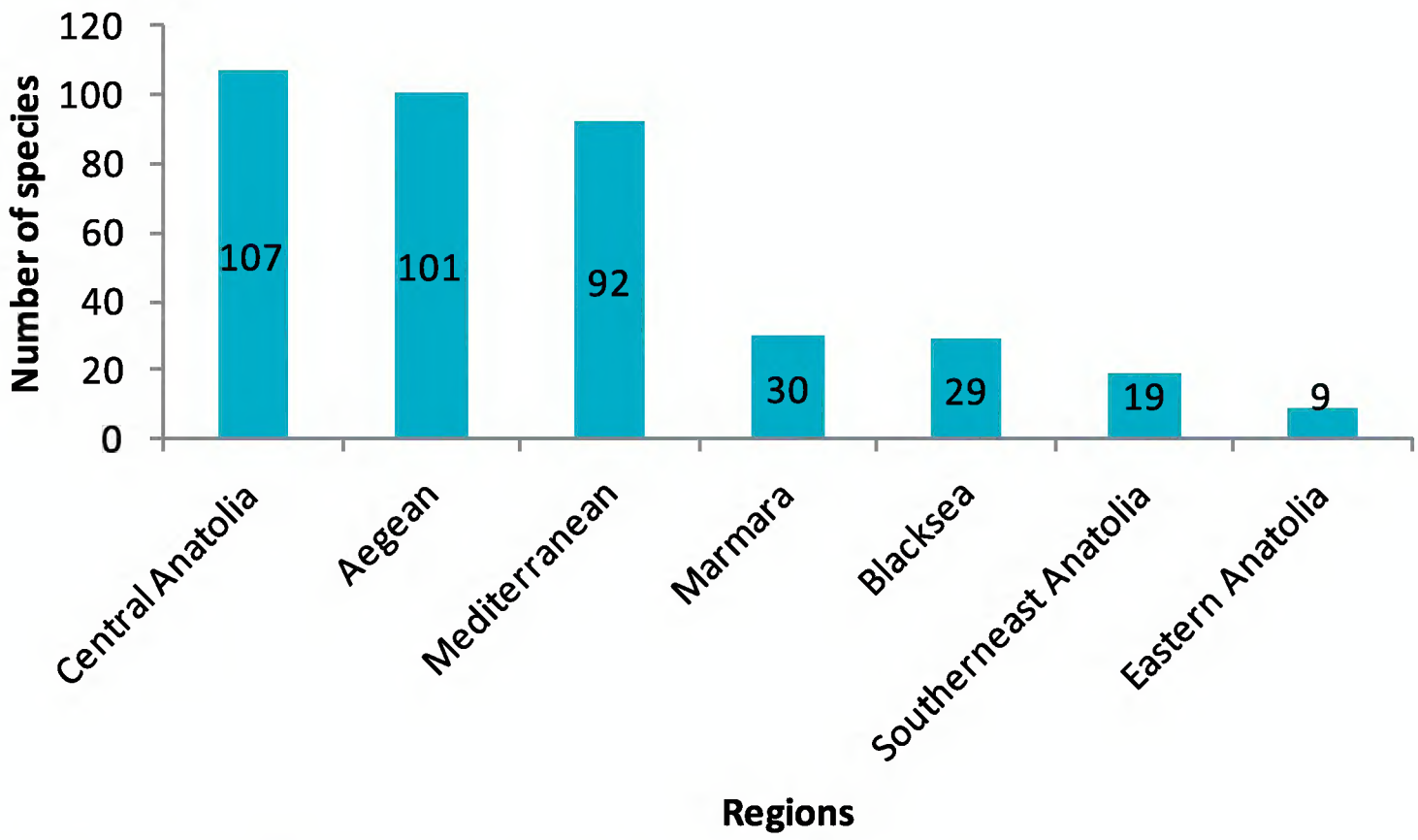

Figure 1. The number of the species according to geographical regions.

of Turkey. As a result of morphological diagnosis, 45 subgenera, 165 species were identified. When geographic regions listed in order to the number of species, Central Anatolia had the highest number (107) and followed with Aegean (101), Mediterranean (92), Marmara (30), Black Sea (29), Southerneast Anatolia (19) and Eastern Anatolia (9) respectively (Figure 1). Identified subgenera (with number of observed species) are *Aciandrena* Warncke (3), *Aenandrena* Warncke (3), *Avandrena* Warncke (1), *Brachyandrena* Pittioni (2), *Campylogaster* Dours (3), *Carandrena* Warncke (3), *Charitandrena* Hedicke (1), *Chlorandrena* Pérez (9), *Chrysandrena* Hedicke (4), *Cordandrena* Warncke (3), *Cryptandrena* Pittioni (3), *Cubiandrena* Warncke (2), *Didonia* Gribodo (2), *Euandrena* Hedicke (3), *Graecandrena* Warncke (1), *Holandrena* Pérez (3), *Hoplandrena* Pérez (2), *Hyperandrena* Pittioni (1), *Larandrena* LaBerge (3), *Leimelissa* Osychnyuk (1), *Lepidandrena* Hedicke (5), *Leucandrena* Hedicke (2), *Melanapis* Cameron (1), *Melandrena* Pérez (14), *Melittoides* Friese (1), *Micrandrena* Ashmead (7), *Nobandrena* Warncke (5), *Notandrena* Pérez (7), *Opandrena* Robertson (1), *Orandrena* Warncke (4), *Oreomelissa* Hirashima (1), *Pallandrena* Warncke (1), *Parandrenella* Popov (3), *Plastandrena* Hedicke (3), *Poecilandrena* Hedicke (8), *Poliandrena* Warncke (5), *Proxiandrena* Schmid-Egger (1), *Ptilandrena* Robertson (1), *Scitandrena* Warncke (1), *Simadrena* Pérez (7), *Thysandrena* Lanham (2), *Trachandrena* Robertson (1), *Truncandrena* Warncke (18), *Ulandrena* Warncke (10) and *Zonadrena* Hedicke (3). *Truncandrena* had the highest number of species observed in this survey. Considering the data obtained from previous studies, geographical distribution of the species in Turkey was given in Table 1.

Table 1. The list of identified species and their geographical distribution in Turkey.

Subgenera	Species	Female ♀♀	Male ♂♂	Geographical distribution
Aciandrena	*Andrena aciculata* Morawitz, 1868	3	6	A, B, C, E, MA
	A. lamiana Warncke, 1965	11	9	A, B, C, E, MA, ME, S
	A. tenuis Morawitz, 1877	6	7	C
Aenadrena	*A. aeneiventris* Morawitz, 1872	10	-	A, C, E, MA, ME, S
	A. bisulcata Morawitz, 1877	10	-	A, B, MA, ME, S
	A. hystrix Schmiedeknecht, 1883	12	1	A, C, ME
Avandrena	*A. canohirta* (Friese, 1922)	8	-	A, C, ME
Brachyandrena	*A. colletiformis* Morawitz, 1874	7	7	A, C, E, MA, ME
	A. pinguis Ariana et al., 2009	5	1	B, C, ME, S
Campylogaster	*A. erberi* Morawitz, 1871	-	1	C, ME
	A. incisa Eversmann, 1852	8	4	A, B, C, E
	A. lateralis Morawitz, 1876	3	-	A, C, E
Carandrena	*A. falcinella* Warncke, 1969	15	-	E, ME,S
	A. purpureomicans Alfken, 1935	13	19	A, C, E, ME
	A. schlettereri Friese, 1896	5	2	A, B, C, MA, ME, S
Charitandrena	*A. hattorfiana* (Fabricius, 1775)	7	5	A, MA, ME
Chlorandrena	*A. astica* Warncke, 1967	1	-	MA, ME
	A. cinerea Brullé, 1832	17	1	A, C, MA, ME
	A. cinereophila Warncke, 1965	42	1	A, MA, ME, S
	A. clypella Strand, 1921	11	1	A, C, MA
	A. exquisita Warncke, 1975	19	-	A, MA, ME
	A. humabilis Warncke, 1965	6	1	A, MA, ME, S
	A. humilis Imhoff, 1832	22	31	A, B, C, MA,ME, S
	A. orientana Warncke, 1965	12	2	A, MA, ME, S
	A. panurgimorpha Mavromoustakis, 1957	29	12	A, B, C, E, MA, ME, S
Chrysandrena	*A. fulvago* (Christ, 1791)	2	-	B, C, MA
	A. glandaria Warncke, 1975	2	1	A, ME, S
	A. hesperia Smith, 1853	21	-	A, C, E, MA, ME, S
	A. merula Warncke, 1969	21	-	A, B, C, MA, ME, S
Cordandrena	*A. cordialis* Morawitz, 1878	35	5	A, B, C, E, MA, ME
	A. cypria Pittioni, 1950	33	3	A, C, E, ME
	A. torda Warncke, 1965	1	-	A, C, S
Cryptandrena	*A. brumanensis* Friese, 1899	7	8	A, C, E, MA, ME, S
	A. monacha Warncke, 1965	-	2	A, MA, ME
	A. ventricosa Dours, 1873	5	1	A, C, E, MA, ME
Cubiandrena	*A. cubiceps* Friese, 1914	-	3	A, C, E, MA, ME, S
	A. cubicepsella Warncke, 1975	-	1	A, C
Didonia	*A. mucida* Kriechbaumer, 1873	1	-	A, E, MA, ME, S
	A. nasuta Giraud, 1863	8	-	A, C, E
Euandrena	*A. bicolor* Fabricius, 1775	9	-	A, B, C, E, MA, ME
	A. glabriventris Alfken, 1935	13	3	C, E
	A. symphyti Schmiedeknecht, 1883	1	2	A, B, C, E, MA, ME
Graecandrena	*A. impunctata* Pérez, 1895	-	2	A, B, C, MA, ME
Holandrena	*A. labialis* (Kirby, 1802)	28	13	A, B, C, E, MA, ME
	A. variabilis Smith, 1853	9	2	A, C, E, MA, ME
	A. wilhelmi Schuberth, 1995	13	4	C, E, MA, ME, S

Subgenera	Species	Female ♀♀	Male ♂♂	Geographical distribution
Hoplandrena	*A. rosae* Panzer, 1801	2	1	C, E
	A. trimmerana (Kirby, 1802)	1	1	A, B, E, MA, ME
Hyperandrena	*A. bicolorata* (Rossi, 1790)	7	1	A, MA
Larandrena	*A. larisana* Warncke, 1965	1	1	A, MA
	A. medioxima Warncke, 1975	3	-	A, C, ME, S
	A. sericata Imhoff, 1866	23	23	A, ME, S
Leimelissa	*A. ispida* Warncke, 1965	8	3	A, C, E, MA, ME
Lepidandrena	*A. curvungula* Thomson, 1870	2	-	A, B, C, E, MA
	A. elisaria Gusenleitner, 1998	1	1	E, ME, S
	A. florivaga Eversmann 1852	3	-	B, C, E, MA, ME
	A. gamskrucki ssp. *eburnea* Warncke, 1975	9	5	A, C, MA, ME
	A. paucisquama Noskiewicz, 1924	4	1	A, C, MA
Leucandrena	*A. mistrensis* Grünwaldt, 2005	7	-	A
	A. parviceps Kriechbaumer, 1873	4	-	A, E, MA
Melanapis	*A. fuscosa* Erichson, 1835	8	1	A, C, E, MA, ME, S
Melandrena	*A. albopunctata* (Rossi, 1792)	12	2	C, E, MA, ME
	A. assimilis Radoszkowski, 1876	2	-	A, B, C, E, MA, S
	A. atrotegularis Hedicke, 1923	5	-	A, B, C, ME, S
	A. cussariensis Morawitz, 1886	1	-	C, E
	A. danuvia Stöckhert, 1950	7	-	A, B, C, E, MA, ME
	A. dubiosa Kohl, 1905	2	-	C, E, ME
	A. fuscocalcarata Morawitz, 1878	5	4	A, B, C, E, ME
	A. limata Smith, 1853	28	4	A, B, C, E, MA, ME
	A. morio Brullè, 1832	32	7	A, C, E, MA, ME
	A. nigroaenea ssp. *candiae* Strand, 1915	19	7	A, B, C, E, ME
	A. nitida (Müller, 1776)	1	-	B, C, E, MA
	A. nitidemula Scheuchl & Hazir, 2012	15	1	C, ME, S
	A. pyropygia Kriechbaumer, 1873	6	-	A, B, E, MA, ME
	A. thoracica Fabricius, 1775	6	-	A, B, C, E, MA, ME
Melittoides	*A. curiosa* (Morawitz, 1877)	2	5	A, C, E, ME
Micrandrena	*A. alfkenelloides* Warncke, 1965	4	-	A, C, E, ME
	A. enslinella Stöckhert, 1924	5	3	C, MA, ME
	A. magunta Warncke, 1965	7	-	A, B, C, E, MA, ME
	A. oenas Warncke, 1975	2	-	C, E
	A. stoeckhertella Pittioni, 1948	2	-	C, ME
	A. tringa Warncke, 1973	3	-	C, E, ME
	A. virgata Warncke, 1975	7	-	A, C, E, ME
Nobandrena	*A. anatolica* Alfken, 1935	10	1	A, C, E, MA, ME
	A. athenensis Warncke, 1965	8	3	A, C, E, ME
	A. flavobila Warncke, 1965	3	-	A, C
	A. nobilis Morawitz, 1874	32	6	A, B, C, E, ME
	A. probata Warncke, 1973	2	3	C, E, MA
Notandrena	*A. erythrocnemis* Morawitz, 1870	2	-	A, B, MA, ME
	A. fulvicornis (Schenck, 1853)	22	-	B, C, E, ME
	A. langadensis ssp. *clanga* Warncke, 1965	7	-	A, C, ME
	A. recurvirostra Warncke, 1975	4	5	A, C, E, S
	A. selcuki Scheuchl & Hazir, 2008	-	2	C
	A. stellaris Warncke, 1965	2	-	C
	A. ungeri Mavromoustakis, 1952	13	2	A, B, C, ME

Subgenera	Species	Female ♀♀	Male ♂♂	Geographical distribution
Opandrena	*A. schencki* Morawitz, 1866	24	4	A, B, C, E, MA, ME
Orandrena	*A. acrana* Warncke, 1967	6	1	C, E
	A. garrula Warncke, 1966	12	-	C, E, MA, ME
	A. oralis Morawitz, 1876	1	-	B, C
	A. platalea Warncke, 1975	2	-	C, E, ME
Oreomelissa	*A. coitana* ssp. *xema* Warncke, 1975	1	1	B, E
Pallandrena	*A. korbella* Grünwaldt, 2005	3	3	E, ME
Parandrenella	*A. crispa* Warncke, 1975	13	1	A, C, E, MA
	A. dentiventris Morawitz, 1874	3	2	C, E, ME
	A. figurata Morawitz, 1866	11	6	C, E, MA, ME
Plastandrena	*A. bimaculata* (Kirby, 1802)	8	4	A, B, C, E, MA, ME
	A. pilipes Fabricius, 1781	29	10	A, C, ME
	A. tibialis (Kirby, 1802)	3	-	A, B, C, E
Poecilandrena	*A. crassana* Warncke, 1965	9	-	A, MA, ME
	A. efeana Scheuchl & Hazir, 2012	7	1	A
	A. hybrida Warncke, 1975	9	2	A, C, E
	A. iliaca Warncke, 1969	-	1	S
	A. labiata Fabricius, 1781	5	3	B, C, ME
	A. laticeps Morawitz, 1877	11	6	A, C, E, MA, ME
	A. seminuda Friese, 1896	2	-	B, C, MA
	A. semirubra Morawitz, 1875	13	2	A, B, C, E, MA, ME
Poliandrena	*A. kriechbaumeri* Schmiedeknecht, 1883	19	10	A, B, C, MA, ME
	A. limbata Eversmann, 1852	7	-	A, C, E, MA, ME
	A. polita Smith, 1847	15	23	A, B, C, E, ME
	A. toelgiana Friese, 1921	2	-	A, MA, ME
	A. westensis Warncke, 1965	2	2	A, C, MA, ME
Proxiandrena	*A. alutacea Stöckhert, 1942*	15	-	A, B, C, E, ME
Ptilandrena	*A. vetula* Lepeletier, 1841	33	-	B, C, E, ME, S
Scitandrena	*A. scita* Eversmann, 1852	23	14	A, B, C, E, MA, ME
Simandrena	*A. combinata* (Christ, 1791)	5	-	MA, ME
	A. dorsata (Kirby, 1802)	38	11	A, B, C, E, MA, ME
	A. lepida Schenck, 1859	36	1	A, B, C, E, MA, ME
	A. melba Warncke, 1966	2	-	A, E, ME
	A. nucleola Warncke, 1973	5	-	B, C, E
	A. propinqua Schenck, 1853	1	-	A
	A. transitoria Morawitz, 1871	18	12	A, B, C, E, ME, S
Thysandrena	*A. albiscopa* Warncke, 1967	3	-	A, B, C, E, ME, S
	A. ranunculorum Morawitz, 1877	8	2	A, B, C, E, ME
Trachandrena	*A. haemorrhoa* (Fabricius, 1781)	1	-	A, B, E, MA, ME
Truncandrena	*A. asiatica* Friese, 1921	18	6	A, E, MA, ME
	A. bassana ssp. *etesiaca* Warncke, 1975	1	-	B, C
	A. caneae Strand, 1915	7	-	A, MA, ME, S
	A. combusta Morawitz, 1876	7	1	C, E, ME
	A. delphiensis Warncke, 1965	1	-	A
	A. medeninensis ssp. *usura* Warncke, 1967	7	1	A, B, C, E, MA, ME

Subgenera	Species	Female ♀♀	Male ♂♂	Geographical distribution
Truncandrena	*A. noacki* Alfken, 1935	2	2	A, C, E
	A. optata Warncke, 1975	22	7	A, C, MA, ME
	A. paramythensis Mavromoustakis, 1957	1	-	ME
	A. roseotincta Warncke, 1975	9	1	C, ME, S
	A. rotundilabris Morawitz, 1877	2	4	C, E, MA, ME
	A. rufomaculata Friese, 1921	1	-	ME
	A. schmiedeknechti Magretti, 1883	11	7	A, C, E, MA, ME
	A. seitzi Alfken, 1935	1	-	C, ME, S
	A. truncatilabris Morawitz, 1877	77	22	A, B, C, E, MA, ME, S
	A. tscheki Morawitz, 1872	1	-	A, C
	A. ulula Warncke, 1969	24	3	A, C, MA, S
	A. urfanella Scheuchl & Hazir, 2012	27	4	C, ME, S
Ulandrena	*A. cantiaca* Warncke, 1975	17	14	A, C, E, ME, S
	A. combaella Warncke, 1966	2	1	C, E
	A. crecca Warncke, 1965	9	9	A, B, C, E, MA, ME
	A. elegans Giraud, 1863	8	3	B, C, E, ME
	A. fulvitarsis Brullè, 1832	29	8	A, B, C, E, MA, ME, S
	A. heinrichi Grünwaldt, 2005	1	3	A
	A. neocypriaca Mavromoustakis, 1956	7	-	A, MA, ME, S
	A. osychniukae Osytshnjuk, 1977	9	28	A, C, E, MA, ME, S
	A. paradoxa Friese, 1921	2	-	C, ME
	A. schulzi Strand, 1921	-	1	MA
Zonadrena	*A. flavipes* Panzer, 1798	154	45	A, B, C, E, MA, ME
	A. gazella Friese, 1922	6	1	B, C, E, ME, S
	A. gravida Imhoff, 1832	1	3	A, C, MA
Total	**165**	**1721**	**550**	

A: Aegean Region, **B:** Blacksea Region, **C:** Central Anatolia Region, **E:** Eastern Anatolia Region, **MA:** Marmara Region, **ME:** Mediterranean Region, **S:** Southeastern Anatolia Region.

Taxonomy

Subgenus *Aciandrena* Warncke, 1968

Andrena aciculata Morawitz, 1868

http://species-id.net/wiki/Andrena_aciculata

Distribution in Turkey. All parts of the country except south (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 11.V.2005, 1 ♂, 18.V.2005, 1 ♂, leg. E. Scheuchl, Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 2 ♂♂, leg. E. Scheuchl; Aydın: Kuşadası, Davutlar, Ağaçlı köyü, 37°44'01"N, 27°18'49"E, 185 m, 27.V.2005, 2 ♀♀, leg. E. Scheuchl; Konya: Eskil-Karapınar arası, 38°08'18"N, 33°30'49"E, 900 m, 19.V.2005, 1 ♂, Kulu, 38°54'98"N, 32°59'56"E, 1145 m, 19.V.2005, 1 ♀, 1 ♂, leg. E. Scheuchl.

***Andrena lamiana* Warncke, 1965**
http://species-id.net/wiki/Andrena_lamiana

Distribution in Turkey. All parts of the country (Warncke 1974); Erzincan, Erzurum, Muş, Tunceli (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 11.V.2005, 2 ♀♀, 1 ♂, 17.V.2005, 1 ♂, 3.VI.2005, 1 ♀, 7.VI.2005, 1 ♂, leg. E. Scheuchl, Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 2 ♀♀, 1 ♂, leg. E. Scheuchl; Konya: Eskil-Karapınar arası, 38°08'18"N, 33°30'49"E, 900 m, 19.V.2005, 4 ♀♀, leg. E. Scheuchl, Tuz Gölü çevresi, 38°44'83"N, 33°03'56"E, 940 m, 19.V.2005, 1 ♂, leg. E. Scheuchl, Karapınar yolu, 37°57'06"N, 33°37'19"E, 19.V.2005, 1070 m, 1 ♂, leg. E. Scheuchl; Mersin: Sertavul-Mut arası, 36°47'87"N, 33°20'13"E, 1150 m, 21.V.2005, 2 ♀♀, 1 ♂, 36°50'75"N, 33°18'51"E, 1400 m, 21.V.2005, 2 ♂♂, leg. E. Scheuchl.

***Andrena tenuis* Morawitz, 1877**
http://species-id.net/wiki/Andrena_tenuis

Distribution in Turkey. Karaman (Madenşehir), Kayseri (Yeşilhisar), Nevşehir (Ürgüp), Niğde (Ulukışla) (Warncke 1974).

Material examined. Kırşehir: Mucur, 39°04'01"N, 34°23'10"E, 1015 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl; Konya: Eskil-Karapınar arası, 38°08'18"N, 33°30'49"E, 900 m, 19.V.2005, 2 ♂♂, leg. E. Scheuchl, Tuz Gölü çevresi, 38°44'83"N, 33°03'56"E, 940 m, 19.V.2005, 2 ♀♀, leg. E. Scheuchl, Kulu, 38°54'98"N, 32°59'56"E, 1145 m, 19.V.2005, 3 ♀♀, 5 ♂♂, leg. E. Scheuchl.

Subgenus *Aenandrena* Warncke, 1968

***Andrena aeneiventris* Morawitz, 1872**
http://species-id.net/wiki/Andrena_aeneiventris

Distribution in Turkey. Aydın (Nazilli) (Warncke 1966); Çanakkale (Eceabat), Bursa (Kurlu), İzmir (Torbalı) (Warncke 1969); All parts of the country (Warncke 1974); Erzurum (Oltu) (Özbek 1976); Aydın (Nazilli), Hakkari, Hatay (Antakya), Kars, Konya, Sivas (Gürün), Şanlıurfa, (Gusenleitner 1984).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 6.VI.2005, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Çamlıdere çevresi, 40°32'42"N, 32°34'19"E, 1190 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Burdur: Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Erzincan: Kemaliye,

Buğdaypınarı köyü, 12.VII.2005, 1 ♀, leg. C. Çobanoğlu; Erzurum: İspir, 40°27'56"N, 40°58'27"E, 1176 m, 13.VIII.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Kırklareli: Sarpdere çıkışı mağara yolu, 41°51'92"N, 27°34'93"E, 390 m, 1.VI.2009, 2 ♀♀, leg. B. Gülcü, C. Demirtaş; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. B. Gülcü, Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Kütahya: Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S.Hazır.

***Andrena bisulcata* Morawitz, 1877**
http://species-id.net/wiki/Andrena_bisulcata

Distribution in Turkey. Adana (Ceyhan), Adapazarı, Balıkesir (Ayvalık), Çanakkale, Diyarbakır, Edirne, Hatay (İskenderun), Mersin (Tarsus), Samsun (Vezirköprü), Şanlıurfa, Tekirdağ (Warncke 1974); Hatay (Antakya), Siirt (Gusenleitner 1984).

Material examined. Burdur: Tefenni yolu, 37°16'10"N, 29°52'44"E, 1150 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu; Çanakkale: Altınoluk, Küçükkuyu, Çetmi yolu, 39°34'99"N, 26°36'29"E, 231 m, 30.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°13'40"N, 37°15'81"E, 914 m, 18.V.2006, 2 ♀♀, leg. C. Çobanoğlu, S. Hazır; Karaman: Tepebaşı-Ermenek arası, 36°41'41"N, 32°45'99"E, 821 m, 22.V.2007, 4 ♀♀, leg. B. Gülcü, S. Hazır; Manisa: Spil dağı, 38°34'99"N, 27°24'55"E, 821 m, 3.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Mersin: Erdemli, 36°40'25"N, 34°24'44"E, 23.IV.2004, 1 ♀, leg. S. Hazır.

***Andrena hystrix* Schmiedeknecht, 1883**
http://species-id.net/wiki/Andrena_hystrix

Synonym: *Andrena hystrix* ssp. *rufilata* Warncke, 1975

Distribution in Turkey. Ankara, Erzurum (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 15.V.2005, 1 ♀, 1 ♂, leg. E. Scheuchl; Aydın: Kuşadası, Ağaçlı-Davutlar arası, 37°44'00"N, 27°19'17"E, 187 m, 10.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu; Burdur: Tefenni, 37°20'40"N, 29°48'24"E, 1132 m, 8.VI.2006, 4 ♀♀, leg. C. Çobanoğlu, E. Scheuchl, Yeşilova, 37°29'01"N, 29°46'37"E, 1239 m, 8.VI.2006, 2 ♀♀, leg. C. Çobanoğlu, E. Scheuchl; Manisa: Spil dağı, 38°34'99"N, 27°24'55"E, 821 m, 3.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Konya: Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°20'16"N, 29°18'22"E, 1047 m, 5.VI.2007, 1 ♀ leg. C. Hazır, S. Hazır, Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır.

Subgenus *Avandrena* Warncke, 1968

***Andrena canohirta* (Friese, 1922)**
http://species-id.net/wiki/Andrena_canohirta

Distribution in Turkey. Denizli (Acı göl), Konya (Warncke 1974).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 159 m, 7.III.2010, 2 ♀♀, 13.III.2010, 3 ♀♀, 14.III.2010, 1 ♀, 18.III.2010, 1 ♀, leg. E. Scheuchl; Antalya: Elmalı, 36°46'36"N, 29°59'32"E, 1175 m, 26.IV.2011, 1 ♀, leg. E. Scheuchl.

Subgenus *Brachyandrena* Pittioni, 1948

***Andrena colletiformis* Morawitz, 1874**
http://species-id.net/wiki/Andrena_colletiformis

Distribution in Turkey. Adana, Ankara, Hatay (Amanos dağları), Toros dağları (Warncke 1966); İstanbul (Selimpaşa), Çanakkale, Denizli (Pamukkale), Adapazarı, İzmir (Torbalı), Tekirdağ, Edirne (İpsala), Bilecik (Osmaneli), Bursa (Gemlik, Kurlu) (Warncke 1969); All parts of the country (Warncke 1974); Erzurum (Oltu, Tortum, Horasan, İspir) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 29.V.2005, 1 ♀, 1 ♂, leg. E. Scheuchl; Antalya: Gölova-Korkuteli arası, 36°48'31"N, 30°00'50 E, 1143 m, 7.VI.2006, 1 ♂, leg. C. Çobanoğlu, E. Scheuchl, Korkuteli-Tefenni arası, 37°09'30"N, 30°01'53 E, 1445 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Burdur: Gölhisar-Altınyayla arası, 37°05'34"N, 29°31'51"E, 977 m, 6.VI.2006, 1 ♀, 1 ♂, leg. C. Çobanoğlu, E. Scheuchl, Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 06.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Çanakkale: Altınoluk, Küçükkuyu, Çetmi yolu, 39°34'99"N, 26°36'29"E, 231 m, 30.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Karaman: Tepebaşı-Ermenek arası, 36°41'41"N, 32°45'99"E, 821 m, 22.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Manisa: Demirci-Simav arası, 39°04'48"N, 28°43'36"E, 1260 m, 4.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır.

***Andrena pinguis* Ariana et al., 2009**
http://species-id.net/wiki/Andrena_pinguis

Synonym: *Andrena punctatissima* sensu Warncke, nec Morawitz 1866

Distribution in Turkey. Amasya, Ankara, Antalya, Burdur, Konya, Siirt (Ariana et al. 2009).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 16.VI.2006, 1 ♀, 1 ♂, leg. E. Scheuchl; Antalya: Gölova-

Korkuteli arası, 36°48'31"N, 30°00'50"E, 1143 m, 7.VI.2006, 1 ♀, leg. E. Scheuchl, Korkuteli-Tefenni arası, 37°09'30"N, 30°01'53"E, 1445 m, 8.VI.2006, 2 ♀♀, leg. E. Scheuchl; Burdur: Tefenni çevresi, 37°10'54"N, 29°59'13"E, 1487 m, 8.VI.2006, 1 ♀, leg. E. Scheuchl.

Subgenus *Campylogaster* Dours, 1873

***Andrena erberi* Morawitz, 1871**
http://species-id.net/wiki/Andrena_erberi

Distribution in Turkey. Adana (Ceyhan), Ankara, Nevşehir (Ürgüp) (Warncke 1966); All regions of the country (Warncke 1974).

Material examined. Konya: Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 1 ♂, leg. B. Gülcü, S. Hazır.

***Andrena incisa* Eversmann, 1852**
http://species-id.net/wiki/Andrena_incisa

Distribution in Turkey. Ankara (Warncke 1966); Ankara, Amasya, Erzurum, Karaman (Madenşehir), Konya (Akşehir), Kütahya (Gediz), Nevşehir, Samsun (Vezirköprü), Sivas (Gürün) (Warncke 1974); Erzurum (Oltu) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 7.VI.2005, 1 ♀, leg. E. Scheuchl, Çamlıdere, 40°32'22"N, 32°30'15"E, 1345 m, 17.VI.2006, 1 ♀, 1 ♂, leg. E. Scheuchl, Kızılcahamam-Gerede arası, 40°32'17"N, 32°36'33"E, 1001 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl; Çankırı: Saçakbeli dağ geçiti, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 5 ♀♀, 3 ♂♂, leg. B. Gülcü, E. Scheuchl.

***Andrena lateralis* Morawitz, 1876**
http://species-id.net/wiki/Andrena_lateralis

Distribution in Turkey. Ankara, Konya (Akşehir, Beyşehir) (Warncke 1966); Ankara, Denizli, Erzurum (Horasan, İspir, Kandilli, Tatos dağları, Uzundere), Karaman (Madenşehir), Kırıkkale, Konya (Akşehir, Beyşehir), Kütahya (Gediz), Tunceli (Warncke 1974); Erzurum (Horasan, İspir, Kandilli, Tortum, Uzundere), Tunceli (Özbek 1976).

Material examined. Ankara: Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü.

Subgenus *Carandrena* Warncke, 1968

Andrena falcinella Warncke, 1969
http://species-id.net/wiki/Andrena_falcinella

Distribution in Turkey. Adana, Diyarbakır, Muş, Şanlıurfa (Birecik) (Warncke 1974); Erzurum (Oltu), Muş (Özbek 1976).

Material examined. Adana: Pozantı otobanı çevresi, 25.IV.2004, 1 ♀, leg. C. Çobanoğlu, Misis-Ceyhan arası, 23.IV.2005, 2 ♀♀, leg. S. Hazır; Diyarbakır: Karacadağ dağı çevresi, 14.V.2005, 5 ♀♀, leg. B. Gülcü, A.B. Yasan, Şanlıurfa-Karacadağ arası, 14.V.2005, 4 ♀♀, leg. B. Gülcü, A.B. Yasan; Şanlıurfa: Siverek, 14.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan, Siverek-Viranşehir arası, 14.V.2005, 2 ♀♀, leg. B. Gülcü, A.B. Yasan.

Andrena purpureomicans Alfken, 1935
http://species-id.net/wiki/Andrena_purpureomicans

Distribution in Turkey. Adana, Ankara, Hatay, Konya (Warncke 1966); Adana, Ankara (Gölbaşı, Polatlı, Şereflikoçhisar), Erzurum (İspir), Hatay (Antakya), Kayseri (Yeşilhisar), Konya (Sarayönü) Muş, Niğde (Ulukışla) (Warncke 1974); Erzurum (İspir), Muş (Özbek 1976).

Material examined. Aksaray: 38°37'29"N, 33°45'21"E, 921 m, 3.V.2007, 4 ♀♀, 10 ♂♂, leg. C. Hazır, B. Gülcü; Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 11.V.2005, 1 ♂, leg. E. Scheuchl, Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 1 ♀, 8 ♂♂, leg. E. Scheuchl; Burdur: Karamanlı-Yeşilova arası, 37°29'01"N, 29°46'37"E, 1239 m, 8.VI.2006, 1 ♀, leg. E. Scheuchl, Tefenni, 37°20'40"N, 29°48'24"E, 1132 m, 8.VI.2006, 1 ♀, leg. E. Scheuchl; Konya: Akören çevresi, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 2 ♀♀, leg. E. Scheuchl; Kütahya: Tavşanlı-Harmancık arası, 39°39'52"N, 29°15'80"E, 832 m, 5.VI.2007, 1 ♀, leg. E. Scheuchl; Manisa: Demirci-Simav arası, 39°04'48"N, 28°43'36"E, 1260 m, 4.VI.2007, 3 ♀♀, leg. C. Hazır, S.Hazır.

Andrena schlettereri Friese, 1896
http://species-id.net/wiki/Andrena_schlettereri

Distribution in Turkey. Adapazarı, Çanakkale, İstanbul (Üsküdar), Tekirdağ (Warncke 1966); Adapazarı, Ankara (Şereflikoçhisar), Bursa (Mustafakemalpaşa), Çanakkale, Diyarbakır (Ergani), Edirne, İstanbul (Üsküdar), Konya, Kütahya, Samsun, Tekirdağ (Warncke 1974).

Material examined. Antalya: Manavgat, Başlar köyü-Ormana arası, 37°07'80"N, 31°30'92"E, 1063 m, 21.V.2007, 1 ♀, leg. E. Scheuchl; Aydın: Bahçearası, 16.IV.2005,

1 ♀, leg. S. Hazır, Söke, Güllübahçe, 37°40'40"N, 27°20'55"E, 20 m, 10.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Söke, Tuzburgazı, 37°37'13"N, 27°12'20"E, 4 m, 10.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Bafa Gölü, Phrygana, 37°30'31"N, 27°21'35"E, 20 m, 7.III.2010, 2 ♂♂, leg. E. Scheuchl; Sivas: Yıldızeli, 39°50'09"N, 36°24'79"E 1509 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

Subgenus *Charitandrena* Hedicke, 1933

Andrena hattorfiana (Fabricius, 1775)
http://species-id.net/wiki/Andrena_hattorfiana

Distribution in Turkey. Toroslar (Warncke 1966); Aydın, Mersin (Gülek) (Warncke 1974).

Material examined. Aydın: Akçaköy-Çayır arası, 37°58'49"N, 28°00'42 E, 711 m, 28.V.2006, 1 ♀, 1 ♂, leg. B. Gülcü, S. Hazır, Paşayaylası, 37°54'10"N, 27°54'00"E, 696 m, 3.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl, Hamzabalı-Çavdarköy arası, 37°47'45"N, 28°07'41"E, 176 m, 22.IV.2007, 2 ♀♀, 1 ♂, leg. B. Gülcü, S. Hazır, Çine, İbrahim kavağı, 17.V.2007, 1 ♀, leg. B. Gülcü; Burdur: Çavdır-Söğüt arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♂, leg. E. Scheuchl; İzmir: Ödemiş-Bozdağ arası, 38°19'54"N, 28°03'50"E, 1132 m, 28.V.2006, 2 ♂♂, leg. E. Scheuchl; Kırklareli: Sarpdere, Dupnitsa mağarası yolu, 41°50'71"N, 27°33'57"E, 410 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Muğla: Tuzabat, Milas-Yatağan arası, 37°18'46"N, 27°59'88"E, 675 m, 27.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

Subgenus *Chlorandrena* Pérez, 1890

Andrena astica Warncke, 1967
http://species-id.net/wiki/Andrena_astica

Distribution in Turkey. Adana (Misis), Balıkesir (Ayvalık) (Warncke 1974).

Material examined. Kahramanmaraş: Kahramanmaraş-Göksun arası, 37°39'69"N, 36°41'75"E, 546 m, 5.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır.

Andrena cinerea Brullé, 1832
http://species-id.net/wiki/Andrena_cinerea

Distribution in Turkey. Bursa (İznik, Uludağ), İstanbul (Belgrad ormanı, Büyükdere, Üsküdar), Manisa, Muğla (Marmaris) (Warncke 1966, 1974).

Material examined. Adana: Pozantı otoban çevresi, 25.IV.2004, 1 ♀, leg. C. Çobanoğlu; Aydın: Kuşadası, Dilek yarımadası milli parkı, İçmeler koyu, 15.IV.2005, 1 ♂, leg. S. Hazır, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N,

27°51'14"E, 176 m, 1.VI.2006, 1 ♀, leg. B. Gülcü, S. Aydın, Kapıkırı, Bafa gölü, 37°29'46"N, 27°32'21"E, 11 m, 22.IV.2007, 11 ♀♀, leg. C. Çobanoğlu, B. Gülcü; Çanakkale: Bayramlı, Himidiye yaylası yolu, 40°08'74"N, 26°17'60"E, 197 m, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Kırklareli: Çukurpınar, 41°51'41"N, 27°29'72"E, 409 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş, Sarpdere çıkışı, mağara yolu, 41°51'92"N, 27°34'93"E 390 m, 1.VI.2009, 1 ♀ leg. B. Gülcü, C. Demirtaş; Sivas: Koyulhisar-Mesudiye arası, 40°18'43"N, 37°50'34"E, 588 m, 12.VIII.2005, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena cinereophila Warncke, 1965
http://species-id.net/wiki/Andrena_cinereophila

Distribution in Turkey. Adapazarı, Balıkesir (Ayvalık), Mardin (Warncke 1966); All regions of the country (Warncke 1974).

Material examined. Aydın: Bafa gölü çevresi, 37°28'58"N, 27°24'12"E, 9 m, 11.IV.2006, 7 ♀♀, leg. C. Çobanoğlu, B. Gülcü, Karacasu, 37°35'51"N, 28°37'00"E, 795 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Diyarbakır: Karacadağ, 14.V.2005, 2 ♀♀, leg. B. Gülcü, A.B. Yasan; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°16'76"N, 37°12'36"E, 918 m, 18.V.2006, 1 ♀, leg. C. Çobanoğlu, S. Hazır; Kahramanmaraş: Kahramanmaraş-Göksun arası, 37°39'69"N, 36°41'75"E, 546 m, 5.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Kırklareli: Çukurpınar, 41°51'41"N, 27°29'72"E, 409 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş, Sarpdere-Balaban arası, 41°51'79"N, 27°37'58"E, 365 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Mersin: Gülnar, 36°20'84"N, 33°37'58"E, 1010 m, 24.V.2005, 14 ♀♀, leg. S. Hazır, Silifke-Gülnar arası, 36°22'42"N, 33°46'46"E, 740 m, 24.V.2005, 6 ♀♀, leg. S. Hazır; Şanlıurfa: Siverek-Diyarbakır arası, 14.V.2005, 8 ♀♀, 1 ♂, leg. B. Gülcü, A.B. Yasan.

Andrena clypella Strand, 1921
http://species-id.net/wiki/Andrena_clypella

Synonym: *Andrena clypella* ssp. *hasitata* Warncke, 1973

Distribution in Turkey. West Turkey (Warncke 1974).

Material examined. Aydın: Kuşadası, Güzelçamlı, Aydeniz, 37°41'93"N, 27°14'97"E, 5 m, 28.V.2005, 1 ♀, leg. E. Scheuchl; Çanakkale: Çanakkaleye 10 km kala Fiat petrol ofisi karşısı, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Gelibolu yarımadası, Çanakkale şehitlik abidesi yolu, 40°07'49"N, 26°17'75"E, 56 m, 31.V.2009, 3 ♀♀, leg. B. Gülcü, C. Demirtaş; Çorum: 17-06-2005, 40°34'47"N, 34°38'73"E, 646 m, 17.VI.2005, 1 ♀, 1 ♂, leg. A.B. Yasan; Kırklareli: Sarpdere çıkışı mağara yolu, 41°51'92"N, 27°34'93"E, 390 m, 1.VI.2009, 2 ♀♀, leg. B. Gülcü, C. Demirtaş; Muğla: Köyceğiz, 36°59'53"N, 28°38'83"E 15 m, 26.V.2005, 1 ♀, leg. S. Hazır, Gökova, Akya-

ka, 37°03'09"N, 28°18'67"E, 0 m, 26.V.2005, 1 ♀, leg. S. Hazır, Bafa, Kapıkırı yolu, 37°27'41"N, 27°32'35"E, 15 m, 27.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır.

***Andrena exquisita* Warncke, 1975**
http://species-id.net/wiki/Andrena_exquisita

Distribution in Turkey. Balıkesir (Bigadiç), İstanbul (Büyükdere) (Warncke 1974); İstanbul (Büyükdere) (Warncke 1975; Blank and Kraus 1994).

Material examined. Aydın: Yılmazköy-Paşayaylası arası, 37°52'49"N, 27°53'57"E, 339 m, 30.IV.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Bursa: Uludağ Milli Parkı girişi-Soğuk Pınar arası, 40°06'14"N, 29°04'88"E, 1265 m, 3.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Çanakkale: Armağan-Çukurpınar arası, Dereköy civarı, 41°50'86"N, 27°26'73"E, 428 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Kahramanmaraş: Kahramanmaraş-Göksun arası, 37°39'69"N, 36°41'75"E, 546 m, 5.V.2007, 9 ♀♀, leg. B. Gülcü, C. Hazır, 37°45'29"N, 36°41'97"E, 661 m, 6.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Kırklareli: Çukurpınar, 41°51'41"N, 27°29'72"E, 409 m, 1.VI.2009, 4 ♀♀, leg. B. Gülcü, C. Demirtaş; Manisa: Spil dağı milli parkı, 38°36'01"N, 27°26'49"E, 406 m, 23.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır.

***Andrena humabilis* Warncke, 1965**
http://species-id.net/wiki/Andrena_humabilis

Distribution in Turkey. Adana, Balıkesir (Ayvalık, Bigadiç), Bursa (Karacabey, Mustafakemalpaşa), Çanakkale, Diyarbakır, İstanbul (Büyükdere) Mersin (Gülek), (Warncke 1966, 1974).

Material examined. Adana: Pozantı otoban çevresi, 25.IV.2004, 2 ♀♀, leg. C. Çobanoğlu; Antalya: Elmalı, 36°46'36"N, 29°59'32"E, 1175 m, 26.IV.2011, 1 ♀, leg. E. Scheuchl; Aydın: Bafa Gölü, Phrygana, 37°30'31"N, 27°21'35"E, 20 m, 7.III.2010, 1 ♂, leg. E. Scheuchl; Kahramanmaraş: Kahramanmaraş-Göksun arası, 37°39'69"N, 36°41'75"E, 546 m, 5.V.2007, 3 ♀♀, leg. B. Gülcü, C. Hazır.

***Andrena humilis* Imhoff, 1832**
http://species-id.net/wiki/Andrena_humilis

Synonym*: Andrena humilis* ssp. *indigena* Warncke, 1975

Distribution in Turkey. Balıkesir (Havran), İstanbul (Kilyos) (Warncke 1966); Bolu (Abant) (Warncke 1969).

Material examined. Adana: Pozantı otoban çevresi, 25.IV.2004, 1 ♀, leg. C. Çobanoğlu; Saimbeyli, 38°04'25"N, 36°08'88"E, 1468 m, 6.V.2007, 1 ♂, leg. B.

Gülcü, C. Hazır; Ankara: Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, 4 ♂♂, leg. B. Gülcü, E. Scheuchl; Bursa: Uludağ Soğuk Pınar yolu, 40°03'84"N, 29°07'11"E, 1029 m, 3.VI.2009, 2 ♀♀, 4 ♂♂, leg. B. Gülcü, C. Demirtaş, Uludağ Milli Parkı girişi-Soğuk Pınar arası, 40°06'14"N, 29°04'88"E, 1265 m, 3.VI.2009, 5 ♀♀, 14 ♂♂, leg. B. Gülcü, C. Demirtaş, Soğuk Pınar yolu, Uludağ eteği, 40°04'68"N, 29°06'16"E 1231 m, 3.VI.2009, 6 ♂♂, leg. B. Gülcü, C. Demirtaş; Çanakkale: Gelibolu yarımadası, Çanakkale şehitlik abidesi yolu, 40°07'49"N, 26°17'75"E 56 m, 31.V.2009, 1 ♀, 1 ♂, leg. B. Gülcü, C. Demirtaş; Karaman: Taşkent, 36°54'45"N, 33°30'19"E, 1649 m, 22.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Kayseri: Erciyes-Hacılar arası, 38°36'13"N, 35°29'53"E, 1800 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kırklareli: Çukurpınar, 41°51'41"N, 27°29'72"E, 409 m, 1.VI.2009, 1 ♀, 1 ♂, leg. B. Gülcü, C. Demirtaş; Manisa: Spil dağı milli parkı, 38°34'21"N, 27°24'00"E, 972 m, 23.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Rize: Ovit dağı geçiti, 40°37'39"N, 40°48'39"E, 2566 m, 2.VII.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Şanlıurfa: Siverek-Diyarbakır arası, 14.V.2005, 7 ♀♀, leg. B. Gülcü, A.B. Yasan.

Andrena orientana Warncke, 1965
http://species-id.net/wiki/Andrena_orientana

Synonym: *Andrena taraxaci* ssp. *orientana* Warncke, 1965

Distribution in Turkey. Adana (Misis), Adapazarı, Antalya (Akseki, Manavgat, Side), Çanakkale, Balıkesir (Ayvalık, Bigadiç), Bursa (İznik, Karacabey), Denizli (Acıgöl, Pamukkale), Diyarbakır, Hatay (Antakya), İstanbul (Büyükdere), Manisa, Mersin (Tarsus) (Warncke 1974); Adana, Antalya (Side) (Schwenninger 2007).

Material examined. Antalya: Elmalı, 36°46'36"N, 29°59'32"E, 1175 m, 26.IV.2011, 1 ♀, leg. E. Scheuchl; Aydın: Bozdoğan, 1.IV.2005, 2 ♀♀, leg. S. Hazır, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 1.III.2006, 1 ♂, leg. B. Gülcü, S. Aydın, Kuşadası, Ağaçlı-Davutlar arası, 37°44'00"N, 27°19'17"E, 187 m, 10.IV.2006, 1 ♂, leg. C. Çobanoğlu, B. Gülcü, Bafa gölü çevresi, 37°28'25"N, 27°25'17"E, 11 m, 22.IV.2007, 2 ♀♀, 37°28'58"N, 27°24'12"E 9 m. 5 ♀♀, Karacasu, Yazır-Nargedik arası, 37°40'16"N, 28°38'49"E, 630 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Şanlıurfa: Siverek-Diyarbakır arası, 14.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan.

Andrena panurgimorpha Mavromoustakis, 1957
http://species-id.net/wiki/Andrena_panurgimorpha

Distribution in Turkey. Balıkesir (Ayvalık), Çanakkale, Konya (Beyşehir) (Warncke 1966); All parts of the country (Warncke 1974); Erzurum (İspir), Muş (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 6.VI.2005, 1 ♀, leg. E. Scheuchl, Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 2 ♂♂, leg. E. Scheuchl; Antalya: Korkuteli-Tefenni arası, 37°08'08"N, 30°04'07"E, 1325 m, 8.VI.2006, 2 ♀♀, leg. C. Çobanoğlu, E. Scheuchl; Aydın: Karacasu, Yazır-Nargedik arası, 37°40'16"N, 28°38'49"E, 630 m, 24.IV.2007, 1 ♂, leg. B. Gülcü, S.Hazır, Söke, 37°45'24"N, 27°21'94"E, 95 m, 28.V.2005, 1 ♂, leg. S.Hazır, Bafa gölü, 37°28'58"N, 27°24'12"E, 9 m, 11.IV.2006, 5 ♀♀, leg. C. Çobanoğlu, B. Gülcü; Çorum: Çerkeş köyü yakını, 40°42'01"N, 34°16'04"E, 916 m, 17.VI.2005, 2 ♀♀, leg. A.B. Yasan; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°13'40"N, 37°15'81"E, 914 m, 18.V.2006, 6 ♀♀, 1 ♂, leg. C. Çobanoğlu, S. Hazır; Kahramanmaraş: 37°19'07"N, 37°10'40"E, 8 m, 18.V.2006, 1 ♀, leg. S. Hazır, C. Çobanoğlu, 06-05-2007 K.Maraş-Göksun arası, 37°45'29"N, 36°41'97"E, 661 m, 6.V.2007, 1 ♀, leg. B.Gülcü, C.Hazır; Konya: Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 1 ♂, leg. B. Gülcü, S.Hazır; Mersin: Gülnar çevresi, 36°20'84"N, 33°37'58"E, 1010 m, 24.V.2005, 2 ♂♂, Erdemli çevresi, 36°37'21"N, 34°19'96"E, 180 m, 22.V.2005, 4 ♀♀, 1 ♂, leg. S. Hazır; Nevşehir: Nevşehir-Aksaray arası, 38°32'49"N, 34°28'27"E, 1269 m, 5.VI.2005, 2 ♀♀, 1 ♂, leg. B. Gülcü, S. Hazır; Niğde: Ulukışla çevresi, 37°32'82"N, 34°31'40"E, 1389 m, 1 ♂, leg. C. Çobanoğlu, S. Hazır; Rize: Camçavuş, 2.VII.2006, 2 ♀♀, Ovit dağı geçidi, 40°37'39"N, 40°48'39"E, 2566 m, 2.VII.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl; Şanlıurfa: Karacadağ kasabasından 1 km sonra, 14.V.2005,1 ♂, Şanlıurfa-Birecik arası, 15.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan.

Subgenus *Chrysandrena* Hedicke, 1933

Andrena fulvago (Christ, 1791)

http://species-id.net/wiki/Andrena_fulvago

Distribution in Turkey. Bolu (Abant) (Warncke 1969); Bolu (Abant gölü, Karagöl), İstanbul (Belgrat ormanı) (Warncke 1974).

Material examined. Ankara: Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kırklareli: Çukurpınar, 41°51'41"N, 27°29'72"E, 409 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş.

Andrena glandaria Warncke, 1975

http://species-id.net/wiki/Andrena_glandaria

Distribution in Turkey. Antalya, Şanlıurfa (Warncke 1974).

Material examined. Aydın: Söke, 37°45'24"N, 27°21'94 E, 95 m, 28.V.2005, 1 ♂, leg. S. Hazır; Isparta: Gelendost, 38°04'08"N, 30°58'70"E, 940 m, 25.V.2005, 1 ♀, leg. E. Scheuchl; Muğla: Bafa, 37°27'41"N, 27°32'35"E, 15 m, 27.V.2007, 1 ♀, leg. B. Gülcü.

***Andrena hesperia* Smith, 1853**
http://species-id.net/wiki/Andrena_hesperia

Distribution in Turkey. Adana, Balıkesir (Ayvalık), Konya (Warncke 1966); Adana, Ankara, Antalya (Akseki, Side), Balıkesir (Ayvalık), Bursa, Denizli (Acıgöl, Pamukkale), Diyarbakır, Erzurum (İspir), İstanbul (Büyükçekmece, Büyükdere), Konya (Sarayönü), Manisa, Mersin (Tarsus) (Warncke 1974); Erzurum (İspir) (Özbek 1976).

Material examined. Adana: 37°02'23"N, 35°08'14"E, 104 m, 19.V.2006, 1 ♀, leg. C. Çobanoğlu, S. Hazır; Pozantı otoban çevresi, 25.IV.2004, 4 ♀♀, leg. C. Çobanoğlu; Ankara: Çamlıdere-Elmalı arası, 40°25'51"N, 32°28'01"E, 1278 m, 17.VI.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl, Kızılcahamam-Çerkes arası, 40°31'18"N, 32°38'11"E, 1113 m,18.VI.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl; Antalya: Korkuteli-Tefenni arası, 37°08'14"N, 30°03'51"E, 1353 m, 8.VI.2006, 1 ♀, leg. E. Scheuchl; Aydın: Söke, 37°45'24"N, 27°21'94"E, 95 m, 28.V.2005, 1 ♀, leg. S. Hazır, 27-05-2005 Kuşadası, Dilek yarımadası milli parkı, 37°41'52"N, 27°09'12"E, 0 m, 27.V.2005, 1 ♀ , leg. S. Hazır, Yılmazköy-Paşayaylası arası, 37°51'18"N, 27°53'49"E, 86 m, 30.IV.2006, 1 ♀, leg. B. Gülcü, S. Hazır, Yılmazköy, 37°51'09"N, 27°53'43"E, 73 m, 30.IV.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Çanakkale: Çanakkaleye 10 km kala, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Kahramanmaraş: Kahramanmaraş-Göksun arası, 37°39'69"N, 36°41'75"E, 546 m, 5.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Karaman: Taşkent, 36°54'45"N, 32°30'19"E, 1649 m, 22.V.2007, 2 ♀♀, leg. E. Scheuchl; Manisa: Spil dağı milli parkı, 38°34'21"N, 27°24'00"E, 972 m, 23.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Muğla: Kapıkırı çevresi, 37°27'41"N, 27°32'35"E, 15 m, 27.V.2007, 2 ♀♀, leg. E. Scheuchl.

***Andrena merula* Warncke, 1969**
http://species-id.net/wiki/Andrena_merula

Distribution in Turkey. Amasya, İstanbul (Belgrad ormanı), Mersin (Mut) (Warncke 1969, 1974).

Material examined. Antalya: Korkuteli-Tefenni arası, 37°08'08"N, 30°04'07"E, 1325 m, 8.VI.2006, 1 ♀, leg, C. Çobanoğlu, E. Scheuchl; Aydın: Yılmazköy-Paşayaylası arası, 37°52'49"N, 27°53'57"E, 339 m, 30.IV.2006, 2 ♀♀, leg. B. Gülcü, S. Hazır, Söke, 37°45'24"N, 27°21'94"E, 95 m, 28.V.2005, 1 ♀, leg. S. Hazır, Köşk, Uzundere, 292 m, 28.V.2006, 1 ♀, leg. B. Gülcü, S. Hazır, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 19.IV.2007, 5 ♀♀, leg. B. Gülcü, S. Hazır; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°16'76"N, 37°12'36"E, 918 m, 18.V.2006, 6 ♀♀, leg. C. Çobanoğlu, S. Hazır; Isparta: Gelendost, 38°04'08"N, 30°58'70"E, 940 m, 25.V.2005, 1 ♀, leg. E. Scheuchl; Konya: Bozkır-Seydişehir arası, 37°15'92"N, 32°07'86"E, 1170 m, 25.V.2005, 1 ♀, leg. S. Hazır; Manisa: Spil dağı milli parkı, 38°36'01"N, 27°26'49"E, 406 m, 23.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Mersin: Gülnar, 36°20'84"N, 33°37'58"E, 1010 m, 24.V.2005, 1 ♀, leg. S. Hazır; Muğla: Yatağan, 37°12'54"N, 28°20'10"E, 625 m, 26.V.2005, 1 ♀, leg. S. Hazır.

Subgenus *Cordandrena* Warncke, 1968

Andrena cordialis Morawitz, 1878
http://species-id.net/wiki/Andrena_cordialis

Distribution in Turkey. Adapazarı, Ankara, Konya, Samsun (Warncke 1966); Adapazarı, Ankara (Şereflikoçhisar), Bursa (Mustafakemalpaşa), Erzurum, Iğdır, Kırıkkale, Kayseri (Yeşilhisar), Konya (Kulu, Sarayönü), Kütahya, Mersin (Sertavul), Muş, Samsun, Tokat (Niksar) (Warncke 1974); Erzurum (Oltu), Iğdır, Muş (Özbek 1976).

Material examined. Aksaray: 38°28'97"N, 33°53'30"E, 973 m, 5.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Ankara: Kazan, 15.V.2005, 5 ♀♀, leg. S. Hazır, 1 ♂, leg. E. Scheuchl, 39°04'45"N, 33°24'85"E, 916 m, 5.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır, Kızılcahamam-Gerede arası, 40°32'17"N, 32°36'33"E 1001 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl, Peçenek-Çamlıdere arası, 40°27'21"N, 32°25'21"E, 1144 m, 17.VI.2006, 7 ♀♀, leg. C. Çobanoğlu, Güvem-Çerkes arası, 40°42'43"N, 32°46'05"E, 1294 m, 18.VI.2006, 3 ♀♀, leg. B. Gülcü, E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Burdur: Çavdır-Gölhisar arası, 37°08'41"N, 29°33'13"E, 956 m, 6.VI.2006, 1 ♀, leg. C. Çobanoğlu, Gölhisar-Altınyayla arası, 37°05'34"N, 29°31'51"E, 977 m, 6.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl, Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Çorum: 40°36'37"N, 35°08'01"E, 1057 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Hatay: Altınözü, 36°06'57"N, 36°16'27"E, 204 m, 17.V.2006, 1 ♀, leg. S. Hazır; Kastamonu: Tosya-İskilip arası, 40°56'18"N, 34°15'10"E 1507 m, 19.VI.2006, 4 ♀♀, 40°58'43"N, 34°11'23"E 1171 m, 19.VI.2006, 1 ♀ leg. B. Gülcü, E. Scheuchl; Konya: Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 3 ♀♀, Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 1 ♀ leg. B. Gülcü, S. Hazır; Kütahya: Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, 3 ♂♂, leg. C. Hazır, S. Hazır; Manisa: Demirci-Simav arası, 39°04'48"N, 28°43'36"E, 1260 m, 4.VI.2007, 1 ♂, leg. C. Hazır, S. Hazır; Sivas: Karakaya köyü, 39°49'07"N, 36°17'21"E, 1222 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

Andrena cypria Pittioni, 1950
http://species-id.net/wiki/Andrena_cypria

Distribution in Turkey. Konya (Warncke 1966); Ankara (Gölbaşı, Şereflikoçhisar), Erzurum, Kayseri (Yeşilhisar), Konya (Sarayönü), Kırşehir (Kaman), Mersin (Mut), Muş, Nevşehir (Ürgüp), Niğde (Ulukışla), Sivas (Gürün) (Warncke 1974); Erzurum, Muş (Özbek 1976).

Material examined. Aksaray: 38°32'05"N, 33°49'90"E, 966 m, 5.VI.2005, 1 ♀, 3 ♂♂, leg. S. Hazır, 38°38'22"N, 33°44'30"E, 929 m, 5.VI.2005, 2 ♀♀, leg. B. Gülcü, S. Hazır, 38°37'29"N, 33°45'21"E, 921 m, 3.V.2007, 1 ♀, leg. B.

Gülcü, C. Hazır; Ankara: Gölbaşı, 39°31'10"N, 32°52'02"E, 19.V.2005, 1 ♀, leg. S. Hazır; 39°04'45"N, 33°24'85"E, 916 m, 5.VI.2005, 6 ♀♀, leg. S. Hazır, Haymana, 39°20'77"N, 32°45'58"E, 1094 m, 5.VI.2005, 2 ♀♀ leg. S. Hazır, Güvem-Çerkes arası, 40°42'43"N, 32°46'05"E, 1294 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Aydın: Kuşadası, Güzelçamlı-Davutlar arası, 37°43'18"N, 27°15'03"E, 3 m, 10.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü, Bafa gölü çevresi, 37°28'25"N, 27°25'17"E, 11 m, 11.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg.B. Gülcü, S. Hazır; Burdur: Yeşilova, 37°29'01"N, 29°46'37"E, 1239 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Kırşehir: Kaman çıkışı, 39°22'16"N, 33°47'71"E, 1057 m, 4.VI.2005,1 ♀, leg. B. Gülcü, S. Hazır; Konya: Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 3 ♀♀, leg. B. Gülcü, Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 1 ♀, leg. B. Gülcü, Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007,1 ♀, leg B. Gülcü, S. Hazır; Manisa: Spil dağı milli parkı, 38°35'15"N, 27°26'16"E, 612 m, 23.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Sivas: Karakaya köyü, 39°49'07"N, 36°17'21"E, 1222 m, 18.VI.2005, 1 ♀, Yıldızeli, 39°50'09"N, 36°24'79"E, 1509 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan; Yozgat: Ozan köyü, 39°48'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 3 ♀♀, Sorgun, 39°49'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 2 ♀♀, leg. A.B. Yasan.

Andrena torda Warncke, 1965

http://species-id.net/wiki/Andrena_torda

Distribution in Turkey. Konya (Beyşehir) (Warncke 1966); Ankara, Aydın (Bozdoğan), Diyarbakır, Konya (Beyşehir, Sarayönü) (Warncke 1974).

Material examined. Aydın: Milas-Akbük arası, 37°28'07"N, 27°20'20"E, 113 m, 11.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü.

Subgenus *Cryptandrena* Pittioni, 1948

Andrena brumanensis Friese, 1899

http://species-id.net/wiki/Andrena_brumanensis

Synonym: *Andrena clypeata* Brullé, 1832

Distribution in Turkey. Adana, Ankara, Balıkesir (Ayvalık, Bigadiç), Bursa, Çanakkale, İstanbul (Kilyos), Konya, Mersin (Mut), Muş, Şanlıurfa (Birecik) (Warncke 1974); Erzurum (Oltu), Muş (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 17.V.2005, 2 ♂♂, 29.V.2005, 1 ♀, 7.VI.2005, 1 ♂, leg. E. Scheuchl, Kazan, 14.V.2005, 1 ♂, leg. S. Hazır; Antalya: Manavgat, Başlar

köyü-Ormana arası, 37°07'80"N, 31°30'92"E, 1063 m, 21.V.2007, 1 ♀, leg. E. Scheuchl, Korkuteli, 36°55'05"N, 30°03'33"E, 1295 m, 26.IV.2011, 1 ♂, leg. E. Scheuchl; Diyarbakır: Karacadağ, 14.V.2005, 2 ♀♀, 1 ♂, leg. B. Gülcü, A.B. Yasan; Konya: Akören çevresi, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 2 ♀♀, leg. E. Scheuchl; Mersin: Gülnar-Ermenek arası, Toros dağları, 24.V.2005, 1 ♂, leg. E. Scheuchl; Şanlıurfa: Siverek-Viranşehir arası, 14.V.2005, 1 ♀, Siverek-Diyarbakır arası, 14.V.2005, 1 ♂, leg. B. Gülcü, A.B. Yasan.

***Andrena monacha* Warncke, 1965**
http://species-id.net/wiki/Andrena_monacha

Distribution in Turkey. Adapazarı, Balıkesir (Ayvalık, Bigadiç), Toros dağları (Warncke 1966; Blank and Kraus 1994); Adana (Karataş), Adapazarı, Antalya (Aspendos, Finike, Side), Balıkesir (Ayvalık, Bigadiç), Bursa (Karacabey), Mersin (Gülek), Muğla, Osmaniye (Warncke 1974).

Material examined. Antalya: Elmalı, 36°46'36"N, 29°59'32"E, 1175 m, 26.IV.2011, 1 ♂, leg. E. Scheuchl; Aydın: Malgaçmustafa-Ovacık arası, 37°59'11"N, 28°10'21"E, 771 m, 21.IV.2007, 1 ♂, leg. B. Gülcü, S. Hazır.

***Andrena ventricosa* Dours, 1873**
http://species-id.net/wiki/Andrena_ventricosa

Distribution in Turkey. Adana (Karataş), Balıkesir (Ayvalık), Bilecik, Konya (Beyşehir), Manisa (Warncke 1966); All regions of the country (Warncke 1974); Erzurum (Horasan, İspir, Oltu) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 15.V.2005, 1 ♀, 1 ♂, leg. E. Scheuchl; Antalya: Korkuteli-Tefenni arası, 37°09'30"N, 30°01'53"E, 1445 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Çanakkale: Bayramlı, Himidiye yaylası yolu, 40°08'74"N, 26°17'60"E, 197 m, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007,1 ♀, leg. B. Gülcü; Mersin: Gülnar-Ermenek arası, Toros dağları, 24.V.2005, 1 ♀, leg. E. Scheuchl.

Subgenus *Cubiandrena* Warncke, 1968

***Andrena cubiceps* Friese, 1914**
http://species-id.net/wiki/Andrena_cubiceps

Distribution in Turkey. Adana, Eskişehir (Warncke 1966); Aydın (Söke), Çanakkale, Nevşehir (Göreme), Tekirdağ (Warncke 1969); Adana, Antalya, Aydın (Söke), Bil-

ecik, Çanakkale, Eskişehir, Hatay (Antakya), İstanbul, Karaman (Madenşehir), Konya, Mersin (Alata, Gülek, Mut, Silifke, Tarsus), Nevşehir (Göreme), Osmaniye, Şanlıurfa, Tekirdağ (Warncke 1974).

Material examined. Aydın: Yılmazköy, 3.VI.2006, 1 ♂, leg. E. Scheuchl; Erzurum: İspir-Bayburt arası, 40°26'29"N, 40°49'26"E, 1258 m, 2.VII.2006, 1 ♂, leg. E. Scheuchl; Mersin: Limonlu, 23.V.2005, 1 ♂, leg. E. Scheuchl.

Andrena cubicepsella Warncke, 1975

http://species-id.net/wiki/Andrena_cubicepsella

Distribution in Turkey. Ankara, Karaman (Madenşehir), Nevşehir (Avanos) (Warncke 1974).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 11.VI.2006, 1 ♂, leg. E. Scheuchl.

Subgenus *Didonia* Gribodo, 1894

Andrena mucida Kriechbaumer, 1873

http://species-id.net/wiki/Andrena_mucida

Distribution in Turkey. Edirne (Çamlıca) (Warncke 1969); Denizli (Acı göl), Diyarbakır, Edirne, Erzurum (Horasan, Oltu), Hatay (Antakya), Kars (Sarıkamış) (Warncke 1974); Erzurum (Horasan, Oltu), Kars (Sarıkamış) (Özbek 1976).

Material examined. Adana: Saimbeyli, 38°04'25"N, 36°28'88"E, 1468 m, 6.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır.

Andrena nasuta Giraud, 1863

http://species-id.net/wiki/Andrena_nasuta

Distribution in Turkey. Ankara (Warncke 1966); Erzurum (Oltu) (Özbek 1976).

Material examined. Ankara: Çamlıdere çevresi, 40°25'51"N, 32°28'01"E, 1278 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl, Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m, 18.VI.2006, 1 ♀, leg. E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, Hamzabalı-Çavdarköy arası, 37°47'45"N, 28°07'41"E, 176 m, 22.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 1 ♀, leg. E. Scheuchl; Kayseri: Erciyes-Develi arası, 38°29'00"N, 35°30'45"E, 2002 m, 20.VI.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl; Kütahya: Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır.

Subgenus *Euandrena* Hedicke, 1933

Andrena bicolor Fabricius, 1775
http://species-id.net/wiki/Andrena_bicolor

Distribution in Turkey. Balıkesir (Ayvalık), Kayseri (Erciyes dağı), Tekirdağ (Warncke 1966); Amasya, Ankara, Antalya (Akseki), Ardahan, Balıkesir (Ayvalık), Bursa (Uludağ), Diyarbakır, Erzurum (Oltu), Kayseri (Erciyes dağı), Konya, Nevşehir (Ürgüp), Tekirdağ (Warncke 1974); Ardahan, Erzincan, Erzurum (Oltu) (Özbek 1976).

Material examined. Ankara: Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Aydın: Bozdoğan, 1.IV.2005, 2 ♀♀, leg. S. Hazır, Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.II.2006, 1 ♀, 1.III.2006, 1 ♀, leg. B. Gülcü, S. Aydın, Gölhisar-Mesutlu arası, 37°47'57"N, 27°55'42"E, 48 m, 23.II.2006, 1 ♀, leg. S. Hazır, B. Gülcü; Bursa: Uludağ, Soğuk Pınar yolu, 40°03'84"N, 29°07'11"E, 1029 m, 3.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Kırklareli: Sarpdere-Balaban arası, 41°51'79"N, 27°37'58"E, 365 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Sivas: Koyulhisar-Mesudiye arası, 40°21'49"N, 37°48'44"E, 1713 m, 12.VIII.2005, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena glabriventris Alfken, 1935
http://species-id.net/wiki/Andrena_glabriventris

Distribution in Turkey. Ankara (Warncke 1966); Ankara (Gölbaşı, Hasanoğlan, Şereflikoçhisar), Erzurum, Nevşehir (Ürgüp), Niğde (Ulukışla), Konya (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Aksaray: Sivrihisar dağ geçidi, 38°14'36"N, 34°25'35"E, 1706 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Ankara: Karakeçili, 39°35'00"N, 33°24'67"E, 762 m, 4.VI.2005, 4 ♀♀, leg. S. Hazır, Emirdağ, 40°09'14"N, 32°38'12"E, 854 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kırşehir: Karakaya köyü, 39°26'34"N, 33°28'24"E, 971 m, 4.VI.2005, 2 ♀♀, leg. S. Hazır, B. Gülcü, Kaman, 6.VI.2005, 3 ♀♀, leg. S. Hazır; Konya: Seydişehir-Bozkır arası, 37°21'57"N, 32°05'01"E, 1098 m, 21.V.2007, 1 ♂, leg. E. Scheuchl, Akören çevresi, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♂, leg. E. Scheuchl; Kütahya: Simav-Saphane arası, 39°03'06"N, 29°06'02"E, 966 m, 4.VI.2007, 1 ♂, leg. E. Scheuchl; Sivas: Karakaya köyü, 39°49'07"N, 36°17'21"E, 1222 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan; Yozgat: Pazarcık, 39°47'90"N, 36°00'49"E, 1242 m, 18.VI.2005, 1 ♀, leg. A. B. Yasan.

***Andrena symphyti* Schmiedeknecht, 1883**
http://species-id.net/wiki/Andrena_symphyti

Synonym: *Andrena symphyti* ssp. *furcata* Friese, 1921

Distribution in Turkey. Ankara, Erzurum (Oltu, Tanyeri), Gümüşhane (Zigana geçidi), Hatay (Amanos dağları), İstanbul, Karaman (Madenşehir), Konya (Akşehir, Sarayönü), Nevşehir (Ürgüp), Mersin (Mut, Gülek), Rize (Çinçiva), Topraklı, Hardman (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Aydın: Malgaçmustafa-Ovacık arası, 37°59'11"N, 28°10'21"E, 771 m, 21.IV.2007, 1 ♀, 2 ♂♂, leg. B. Gülcü, S. Hazır.

Subgenus *Graecandrena* Warncke, 1968

***Andrena impunctata* Pérez, 1895**
http://species-id.net/wiki/Andrena_impunctata

Distribution in Turkey. Adapazarı, Ankara (Şereflikoçhisar), Balıkesir (Ayvalık), Bursa (Mustafakemalpaşa), Çanakkale, İstanbul, İzmir, Samsun (Warncke 1974).

Material examined. Ankara, Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 1 ♂, leg. E. Scheuchl; Mersin: Çamlıyayla çevresi, Ulaş köyü, 36°59'23"N, 34°47'39"E, 22.V.2005, 1 ♂, leg. E. Scheuchl.

Subgenus *Holandrena* Pérez, 1890

***Andrena labialis* (Kirby, 1802)**
http://species-id.net/wiki/Andrena_labialis

Distribution in Turkey. Toprakkale (Fahringer and Friese 1921); Bursa (Uludağ) (Fahringer 1922); Ankara (Şereflikoçhisar), Antalya (Finike), Erzurum (Kandilli, Oltu, Zigana köyü, Tatos dağları, İspir), Gümüşhane, Karaman (Madenşehir), Kars, Konya, Mersin (Sertavul, Gülek), Niğde (Ulukışla), Tunceli (Warncke 1974); Erzurum (Oltu, Tortum, İspir, Horasan, Narman, Hınıs), Muş, Iğdır, Tunceli, Bayburt, Elazığ (Özbek 1976).

Material examined. Ankara: Yeşilköy-Kızılcahamam arası, 40°24'15"N, 32°33'38"E, 1327 m, 17.VI.2006, 3 ♀♀, 1 ♂, Şabanözü-Çankırı arası, 40°30'23"N, 33°24'54"E, 1487 m, 18.VI.2006, 1 ♀, Kızılcahamam, 40°24'24"N, 32°34'20"E, 1317 m, 17.VI.2006, 1 ♀, Çamlıdere, 40°32'42"N, 32°34'19"E, 1190 m, 17.VI.2006, 3 ♀♀, leg. B. Gülcü, E. Scheuchl; Aydın: Ovacık, 38°03'02"N, 28°08'09"E, 1089 m, 24.VI.2008, 1 ♀, leg. B. Gülcü, S. Hazır; Burdur: Tefenni, 37°16'10"N, 29°52'44"E, 1150 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Çanakkale: Bayramlı,

Himidiye yaylası yolu, 40°08'74"N, 26°17'60"E, 197 m, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Çankırı: Saçakbeli dağ geçidi, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 2 ♂♂, leg. B. Gülcü, E. Scheuchl; Denizli: Acıpayam-Çameli arası, 37°11'11"N, 29°25'15"E, 1557 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Erzincan: Kemaliye, 39°12'80"N, 38°32'14"E, 1528 m, 8.VII.2005, 1 ♀, leg. C. Çobanoğlu; Erzurum: İspir-Bayburt arası, 40°26'29"N, 40°49'26"E, 1258 m, 2.VII.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Karabük: Bartın-Safranbolu arası, 41°26'54"N, 32°44'52"E, 364 m, 10.VII.2005, 1 ♀, Eflani yolu, Yağlıca Köyü, 41°23'13"N, 32°50'06"E, 953 m, 10.VII.2005, 1 ♀, leg. B. Gülcü; Kastamonu: Çankırı-Ilgaz arası, 40°50'30"N, 33°34'52"E, 1314 m, 18.VI.2006, 2 ♀♀, 6 ♂♂, Eflani-Daday arası, 41°28'20"N, 33°04'50"E, 1006 m, 10.VII.2005, 1 ♀, 19-06-2006 Tosya-İskilip arası, 40°58'43"N, 34°11'23"E, 1171 m, 19.VI.2006, 2 ♂♂, Türbe dağı geçiti, 40°56'14"N, 34°12'33"E, 1625 m, 19.VI.2006, 1 ♂, leg. B. Gülcü; Kayseri: Kayseri-Erciyes arası, 38°36'57"N, 35°30'48"E, 1680 m, 20.VI.2006, 1 ♀, 1 ♂, leg. B. Gülcü, E. Scheuchl; Konya: Seydişehir-Bozkır arası, 37°21'57"N, 32°05'01"E, 1098 m, 21.V.2007, 1 ♀, leg. E. Scheuchl; Kütahya: Simav-Saphane arası, 39°03'06"N, 29°06'02"E, 966 m, 4.VI.2007, 1 ♀, leg. E. Scheuchl, Emet-Tavşanlı arası, 39°27'30"N, 29°19'03"E, 881 m, 5.VI.2007, 3 ♀♀, leg. E. Scheuchl; Mersin: Gülnar, 36°20'40"N, 33°28'77"E, 1140 m, 24.V.2005, 2 ♀♀, leg. S. Hazır; Sivas: Karakaya köyü, 39°49'07"N, 36°17'21"E, 1222 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

Andrena variabilis Smith, 1853
http://species-id.net/wiki/Andrena_variabilis

Distribution in Turkey. Amanos dağları, İstanbul (Warncke 1966); İzmir (Ensetepe) (Warncke 1969); All regions of the country (Warncke 1974); Erzurum (İspir), Iğdır (Tuzluca) (Özbek 1976).

Material examined. Adana: Karaisalı, 16.VI.2005, 1 ♀, leg. S. Hazır; Ankara: Kurtboğazı barajı çevresi, 40°16'28"N, 32°41'19"E, 1014 m, 17.VI.2006, 2 ♀♀, Yeşilköy-Kızılcahamam arası, 40°24'15"N, 32°33'38"E, 1327 m, 17.VI.2006, 3 ♀♀, 2 ♂♂, leg. B. Gülcü, E. Scheuchl, Akyurt, 40°08'11"N, 33°11'95"E, 1329 m, 16.VI.2005, 1 ♀, leg. A.B. Yasan; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. B. Gülcü; Sivas: Koyulhisar-Mesudiye arası, 40°18'24"N, 37°51'38"E, 1221 m, 12.VIII.2005, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena wilhelmi Schuberth, 1995
http://species-id.net/wiki/Andrena_wilhelmi

Distribution in Turkey. Adana (Ceyhan), Ankara (Şereflikoçhisar), Balıkesir (Ayvalık), Bursa (Karacabey), Hatay (Topboğazı), Iğdır, İstanbul (Florya), Konya (Beyşehir), Mersin (Mut, Namrum) (Schuberth 1995).

Material examined. Antalya: Başlar köyü-Ormana arası, 37°07'80"N, 31°30'92"E, 1063 m, 21.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Diyarbakır: Karacadağ, 14.V.2005, 2 ♂♂, Şanlıurfa-Karacadağ arası, 14.V.2005, 1 ♂, leg. B. Gülcü, A.B. Yasan; Gaziantep: Nurdağı, 15.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 3 ♀♀, leg. B. Gülcü, Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 1 ♀, 1 ♂, leg. B. Gülcü, S. Hazır; Mersin: Gülnar, 36°20'40"N, 33°28'77"E, 1140 m, 24.V.2005, 7 ♀♀, leg. S. Hazır.

Subgenus *Hoplandrena* Pérez, 1890

Andrena rosae Panzer, 1801
http://species-id.net/wiki/Andrena_rosae

Distribution in Turkey. Erzurum (Tanyeri) (Warncke 1974).

Material examined. Konya: Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 2 ♀♀, 1 ♂, leg. E. Scheuchl.

Andrena trimmerana (Kirby, 1802)
http://species-id.net/wiki/Andrena_trimmerana

Distribution in Turkey. İstanbul, Erzurum (Oltu, Tortum), Mersin (Gülek) (Warncke 1974); Erzurum (Oltu, Tortum) (Özbek 1976).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Kastamonu: Tosya-İskilip arası, 40°56'18"N, 34°15'10"E, 1507 m, 19.VI.2006, 1 ♂, leg. E. Scheuchl.

Subgenus *Hyperandrena* Pittioni, 1948

Andrena bicolorata (Rossi, 1790)
http://species-id.net/wiki/Andrena_bicolorata

Distribution in Turkey. İzmir (Warncke 1966); Bursa (Mustafakemalpaşa), İzmir (Seydiköy) (Warncke 1974).

Material examined. Aydın: Kuşadası, Davutlar, 15.IV.2005, 1 ♀, 1 ♂, leg. S. Hazır, Söke, Akçakonak köyü, 37°41'30"N, 27°21'35"E, 20 m, 10.IV.2006, 3 ♀♀, Söke, Güllübahçe, 37°40'40"N, 27°20'55"E, 20 m, 10.IV.2006, 2 ♀♀, leg. C. Çobanoğlu, B. Gülcü, Umurlu, Serçeköy köyü, 37°49'59"N, 27°55'50"E, 30 m, 13.III.2010, 1 ♀, leg. E. Scheuchl.

Subgenus *Larandrena* LaBerge, 1964

Andrena larisana Warncke, 1965
http://species-id.net/wiki/Andrena_larisana

Synonym: *Andrena tunetana* ssp. *larisana* Warncke, 1965

Distribution in Turkey. Adapazarı, Bursa (Mustafakemalpaşa), Balıkesir (Ayvalık, Bigadiç), İstanbul (Üsküdar) (Warncke 1974).

Material examined. Aydın: Çine, Çine Çayı, Söğütçük, 37°28'08"N, 28°09'33"E, 236 m, 12.III.2010, 1 ♀, 1 ♂, leg. E. Scheuchl.

Andrena medioxima Warncke, 1975
http://species-id.net/wiki/Andrena_medioxima

Synonym: *Andrena tunetana* ssp. *medioxima* Warncke, 1975

Distribution in Turkey. Ankara (Şereflikoçhisar), Antalya (Side), Denizli (Acıgöl), Kayseri (Yeşilhisar), Nevşehir (Ürgüp) (Warncke 1974); Nevşehir, Şanlıurfa (Birecik) (Warncke 1975).

Material examined. Ankara: Karakeçili, 39°35'00"N, 33°24'67"E, 762 m, 4.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Aydın: Bahçearası, 16.IV.2005, 1 ♀, leg. S. Hazır; Nevşehir: Nevşehir-Aksaray arası, 38°32'49"N, 34°28'27"E, 1269 m, 5.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena sericata Imhoff, 1866
http://species-id.net/wiki/Andrena_sericata

Distribution in Turkey. Diyarbakır, Antalya (Elmalı) (Warncke 1974).

Material examined. Aydın: Baltaköy, 37°47'06"N, 27°53'07"E, 38 m, 23.II.2006, 1 ♀, 5 ♂♂, Gölhisar-Mesutlu arası, 37°47'57"N, 27°55'42"E, 48 m, 23.II.2006, 7 ♀♀, 2 ♂♂, Karahayıt köyü, 37°48'06"N, 28°00'55"E, 46 m, 23.II.2006, 6 ♀♀, 6 ♂♂, Tepeköy, 37°47'24"N, 27°53'43"E, 35 m, 23.II.2006, 1♀, 3 ♂♂, Yenipazar-Bozdoğan arası, Alarmut köyü, 37°48'49"N, 28°18'48"E, 61 m, 23.II.2006, 7 ♂♂, leg. B. Gülcü, S. Hazır, Umurlu, Serçeköy köyü, 37°49'59"N, 27°55'50"E, 30 m, 13.III.2010, 8 ♀♀, leg. E. Scheuchl.

Subgenus *Leimelissa* Osychnyuk, 1984

Andrena ispida Warncke, 1965
http://species-id.net/wiki/Andrena_ispida

Distribution in Turkey. Konya (Beyşehir) (Warncke 1966); Çanakkale (Eceabat), Erzurum (Oltu, İspir, Uzundere-the old name is Azort), Kırşehir, Konya (Akşehir, Beyşehir), Nevşehir (Ürgüp), Niğde (Çiftehan), Mersin (Mut), Sivas (Gürün) (Warncke 1974); Erzurum (Oltu, İspir, Tortum) (Özbek 1976).

Material examined. Ankara: Yeşilköy-Kızılcahamam arası, 40°24'15"N, 32°33'38"E, 1328 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl; Antalya: Korkuteli-Tefenni arası, 37°08'14"N, 30°03'51"E, 1353 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl, Başlar köyü-Ormana arası, 37°07'80"N, 31°30'92"E, 1063 m, 21.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Burdur: Gölhisar-Altınyayla arası, 37°05'34"N, 29°31'51"E, 977 m, 6.VI.2006,1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Konya: Kulu, 38°54'98"N, 32°59'56"E, 1145 m, 19.V.2005, 1 ♂, leg. E. Scheuchl; Kütahya: Gediz-Hisarcık arası, 39°04'79"N, 29°23'95"E, 967 m, 4.VI.2007, 1 ♂, leg. E. Scheuchl, Emet-Tavşanlı arası, 39°27'30"N, 29°19'03"E, 881 m, 5.VI.2007, 1 ♀, leg. E. Scheuchl; Mersin: Sertavul-Mut arası, 36°47'87"N, 33°20'13"E, 1150 m, 19.V.2005, 2 ♀♀, 1 ♂, leg. E. Scheuchl, Çamlıyayla çevresi, Ulaş köyü, 36°59'23"N, 34°47'39"E, 22.V.2005, 1 ♀, leg. E. Scheuchl.

Subgenus *Lepidandrena* Hedicke, 1933

Andrena curvungula Thomson, 1870
http://species-id.net/wiki/Andrena_curvungula

Distribution in Turkey. Amasya, Ankara, Aydın (Bozdoğan), Erzurum (İspir), Kayseri (Erciyes dağı) (Warncke 1974); Erzurum (İspir) (Özbek 1976).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'48"N, 27°51'49"E, 197 m, 24.IV.2011, 1 ♀, leg. E. Scheuchl; Kırklareli: Çukurpınar, 41°52'65"N, 27°30'78"E, 369 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş.

Andrena elisaria Gusenleitner, 1998
http://species-id.net/wiki/Andrena_elisaria

Distribution in Turkey. Hakkari (Süvari Halil Geçidi, Yüksekova), Şırnak (Uludere) (Gusenleitner 1998).

Material examined. Adana: Pınarlı-Saimbeyli arası, 38°07'50"N, 36°10'00"E, 1442 m, 6.V.2007, 1 ♂, leg. B. Gülcü, C. Hazır; Antalya: Korkuteli-Elmalı arası, 36°56'39"N, 30°08'20"E, 1335 m, 7.VI.2006, 1 ♀, leg. E. Scheuchl.

***Andrena florivaga* Eversmann, 1852**
http://species-id.net/wiki/Andrena_florivaga

Distribution in Turkey. İstanbul (Üsküdar) (Warncke 1966); Adana (Pozantı), İstanbul (Üsküdar), Erzurum (İspir), Muş, Samsun (Bafra) (Warncke 1974); Erzurum (Oltu, İspir), Muş (Özbek 1976).

Material examined. Ankara: Kazan, 14.V.2005, 1 ♀, leg. E. Scheuchl, Güven-Çerkeş arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kastamonu: Tosya-İskilip arası, 40°58'43"N, 34°11'23"E, 1171 m, 19.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

***Andrena gamskrucki* ssp. *eburnea* Warncke, 1975**

Distribution in Turkey. Balıkesir (Ayvalık, Bigadiç, Sındırgı), Burdur, Denizli (Acı göl), Nevşehir (Warncke 1974).

Material examined. Antalya: Korkuteli, 36°55'05"N, 30°03'33"E, 1295 m, 26.IV.2011, 1 ♀, leg. E. Scheuchl; Aydın: Boğaziçi yolu, 16.IV.2005, 2 ♀♀, Orhaneli-Bahçearası arası, 16.IV.2005, 3 ♀♀, leg. S. Hazır, Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.II.2006, 1 ♀, leg. B. Gülcü, S. Aydın, Karahayıt köyü, 37°48'06"N, 28°00'55"E, 46 m, 23.II.2006, 4 ♂♂, leg. B. Gülcü, S. Hazır, Madran dağı, 37°39'12"N, 28°11'51"E, 1546 m, 17.V.2007, 1 ♂, leg. B. Gülcü; Burdur: Çamköy, 37°14'17"N, 29°32'07"E, 925 m, 25.IV.2011, 2 ♀♀, leg. E. Scheuchl.

***Andrena paucisquama* Noskiewicz, 1924**
http://species-id.net/wiki/Andrena_paucisquama

Synonym: *Andrena paucisquama* ssp. *curonica* Warncke, 1975

Distribution in Turkey. Ankara, Balıkesir (Sındırgı), Bursa (Karacabey), Manisa (Akhisar, Kayapınar) (Warncke 1974).

Material examined. Ankara: Kızılcahamam-Çerkeş arası, 40°31'18"N, 32°38'11"E, 1113 m, 18.VI.2006, 1 ♀, leg. E. Scheuchl; Aydın: Paşayaylası, 37°55'47"N, 27°53'44"E, 1151 m, 3.VI.2006, 1 ♀, leg. E. Scheuchl, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'48"N, 27°51'49"E, 197 m, 23.IV.2011, 1 ♀, leg. E. Scheuchl; Kütahya: Demirci-Simav arası, 39°06'11"N, 28°43'96"E, 1348 m, 4.VI.2007, 1 ♀, 1 ♂, leg. E. Scheuchl.

Subgenus *Leucandrena* Hedicke, 1933

***Andrena mistrensis* Grünwaldt, 2005**
http://species-id.net/wiki/Andrena_mistrensis

Distribution in Turkey. Aydın (Hazir et al. 2012).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 16.IV.2005, 1 ♀, leg. B. Gülcü, S. Aydın, Boğaziçi yolu, 16.IV.2005, 1 ♀, Koçarlı, 16.IV.2005, 1 ♀, Orhaneli-Bahçearası arası, 16.IV.2005, 3 ♀♀, leg. S. Hazır, Karacasu, Yazır-Bingeş arası, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

***Andrena parviceps* Kriechbaumer, 1873**
http://species-id.net/wiki/Andrena_parviceps

Distribution in Turkey. Bursa (Uludağ), Erzincan (Kemaliye), Muş (Warncke 1974); Erzurum (Oltu), Muş (Özbek 1976).

Material examined. Aydın: Kuşadası, 16.IV.2005, 1 ♀, Orhaneli-Bahçearası arası, 16.IV.2005, 3 ♀♀, leg. S. Hazır.

Subgenus *Melanapis* Cameron, 1902

***Andrena fuscosa* Erichson, 1835**
http://species-id.net/wiki/Andrena_fuscosa

Distribution in Turkey. Adana (Ceyhan, Karataş), Adapazarı, Amanos dağları, Ankara, Balıkesir (Ayvalık) (Warncke 1966); Aydın (Kuşadası), Bilecik (Warncke 1969); All regions of the country (Warncke 1974); Erzurum (İspir, Horasan) (Özbek 1976).

Material examined. Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 1 ♂, leg. E. Scheuchl; Aydın: Kuşadası, Davutlar, 15.IV.2005, 1 ♀, leg. B.Gülcü, S. Hazır, Söke, Güllübahçe, 34°40'40"N, 27°20'55"E, 20 m, 10.IV.2006, 1 ♀, Milas-Akbük arası, 37°28'07"N, 27°20'20"E, 113 m, 11.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Aytepe, Adnan Menderes Üniversitesi kampüsü, 17.IV.2007, 1 ♀, leg. B.Gülcü, Sultanhisar, Güvendik köyü, 37°57'16"N, 28°10'01"E, 558 m, 21.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Erzurum: İspir-Bayburt arası, 40°26'29"N, 40°49'26"E, 1258 m, 2.VII.2006, 1 ♀, leg. E. Scheuchl; Gaziantep: Nizip-Gaziantep arası, 15.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Konya: Ahırlı-Bozkır arası, 37°15'06"N, 32°09'00"E, 1201 m, 21.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

Subgenus *Melandrena* Pérez, 1890

Andrena albopunctata (Rossi, 1792)
http://species-id.net/wiki/Andrena_albopunctata

Synonym: *Andrena albopunctata* ssp. *funebris* Panzer, 1798

Distribution in Turkey. Ankara, Bursa, Kayseri (Erciyes), Konya (Beyşehir), Toros dağları (Warncke 1966); All regions of the country (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 29.V.2005, 1 ♀, 6.VI.2005, 1 ♀, leg. E. Scheuchl; Konya: Eskil-Aksaray arası, 38°35'52"N, 33°10'44 E, 920 m, 19.V.2005, 1 ♂, Toros Dağları, Görmeli çevresi, 36°31'47"N, 33°59'62"E, 1400 m, 24.V.2005 2 ♀♀, Beyşehir, 37°51'35"N, 31°36'19"E, 1140 m, 25.V.2005, 1 ♀, Bozkır-Seydişehir arası, 37°15'92"N, 32°07'86"E, 1170 m, 25.V.2005, 2 ♀♀, leg. S. Hazır, Ahırlı-Bozkır arası, 37°15'06"N, 32°09'00"E, 1201 m, 21.V.2007, 3 ♀♀, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E 1159 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Kırşehir: Mucur, 39°04'01"N, 34°23'10"E, 1015 m, 4.VI.2005, 1 ♂, leg. E. Scheuchl.

Andrena assimilis Radoszkowski, 1876
http://species-id.net/wiki/Andrena_assimilis

Distribution in Turkey. Balıkesir (Ayvalık), Kayseri (Erciyes) (Warncke 1966); Balıkesir (Ayvalık), Diyarbakır, Erzurum (Oltu, Tortum), Kayseri (Erciyes dağı), Malatya (Warncke 1974); Erzurum (Oltu, Tortum) (Özbek 1976).

Material examined. Aydın: Karacasu, Yolaltı-Aşağıgörle arası, 37°34'10"N, 28°39'48"E, 806 m, 24.IV.2007,1 ♀, leg. B. Gülcü, S. Hazır; Kastamonu: Tosya-İskilip arası, 40°56'18 N", 34°15'10"E, 1507 m, 19.VI.2006, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena atrotegularis Hedicke, 1923
http://species-id.net/wiki/Andrena_atrotegularis

Distribution in Turkey. Ankara (Warncke 1966); Amasya, Ankara, Kahramanmaraş, Karaman (Madenşehir), Konya, Şanlıurfa (Warncke 1974).

Material examined. Aydın: Kuşadası, Davutlar, Ağaçlı köyü, 37°43'95"N, 27°19'08"E, 185 m, 28.V.2005, 5 ♀♀, leg. S. Hazır.

***Andrena cussariensis* Morawitz, 1886**
http://species-id.net/wiki/Andrena_cussariensis

Distribution in Turkey. Erzurum, Hakkari (Yüksekova), Kayseri (Erciyes dağı) (Warncke 1974); Erzincan, Erzurum (Özbek 1976).

Material examined. Sivas: Yıldızeli, 39°53'26"N, 36°34'28"E, 1380 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

***Andrena danuvia* Stöckhert, 1950**
http://species-id.net/wiki/Andrena_danuvia

Synonym: *Andrena cineraria* ssp. *danuvia* Stöckhert, 1950

Distribution in Turkey. Amanos dağları, Artvin, Erzurum (Oltu, Tortum), İstanbul (Belgrat ormanı), Karaman (Madenşehir), Kastamonu (Ilgaz dağı), Kayseri (Erciyes dağı), Konya (Beyşehir), Manisa (Kayapınar), Mersin (Sertavul), Trabzon (Hamsiköy, Soğanlı geçiti) (Warncke 1974); Erzurum (Başaklı-Oltu) (Özbek 1976).

Material examined. Aydın: Kuşadası, Dilek yarımadası milli parkı, 37°41'56"N, 27°09'55"E, 0 m, 10.IV.2006, 4 ♀♀, leg. B. Gülcü, C. Çobanoğlu; Manisa: Spil dağı, 38°34'21"N, 27°24'00"E, 972 m, 23.IV.2007, 2 ♀♀, 38°35'15"N, 27°26'16"E, 612 m, 23.IV.2007, 1 ♀, leg. B. Gülcü, C. Hazır.

***Andrena dubiosa* Kohl, 1905**
http://species-id.net/wiki/Andrena_dubiosa

Distribution in Turkey. Amanos dağları, Ankara, Kayseri (Erciyes), Toros dağları (Warncke 1966); Amanos dağları, Ankara, Karaman (Madenşehir) (Warncke 1974).

Material examined. Erzincan: Kemaliye, Osnohot, 39°19'07"N, 38°29'20"E, 1333 m, 5.VII.2005, 1 ♀, Kemaliye, Venk çayı çevresi, 39°17'08"N, 38°31'44"E, 1366 m, 13.VII.2005, 1 ♀, leg. C. Çobanoğlu.

***Andrena fuscocalcarata* Morawitz, 1878**
http://species-id.net/wiki/Andrena_fuscocalcarata

Distribution in Turkey. Ankara, Konya (Beyşehir) (Warncke 1966); Ankara, Erzurum (İspir, Uzundere), Kayseri (Yeşilhisar), Konya (Beyşehir, Karapınar), Mersin (Sertavul geçiti), Niğde (Ulukışla), Sivas (Warncke 1974); Erzurum (İspir, Horasan, Tortum) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 3.VI.2005, 1 ♂, leg. C. Çobanoğlu, 15.VI.2005, 1 ♂, 16.VI.2006, 1 ♀, leg. E. Scheuchl; Çankırı:

Güvem-Çerkeş arası, Yumaklı köyü, 40°42'43"N, 32°46'05"E, 1294 m, 18.VI.2006, 1 ♂, leg. E. Scheuchl; Çorum: 40°34'47"N, 34°38'73"E, 646 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Konya: Bozkır-Seydişehir arası, 37°15'92"N, 32°07'86"E, 1170 m, 25.V.2005, 2 ♀♀, leg. E. Scheuchl; Kütahya: Emet-Tavşanlı arası, 39°27'30"N, 29°19'03"E, 881 m, 5.VI.2007, 1 ♀, leg. E. Scheuchl; Yozgat: Pazarcık, 39°47'90"N, 36°00'49"E, 1242 m, 18.VI.2006, 1 ♂, leg. A.B. Yasan.

***Andrena limata* Smith, 1853**
http://species-id.net/wiki/Andrena_limata

Synonym: *Andrena nitida* ssp. *batesiae* Cockerell, 1910

Distribution in Turkey. Adana, Adapazarı, Amasya, Ankara, Balıkesir (Ayvalık), Burdur, Kayseri (Erciyes), Nevşehir (Ürgüp) (Warncke 1966); Aydın (Germencik), İzmir (Ensetepe) (Warncke 1969); Erzurum (Tortum, Oltu-Başaklı) (Özbek 1976).

Material examined. Ankara: Kazan, 15.V.2005, 1 ♀, Hacettepe Üniversitesi Beytepe kampüsü, 27.VI.2005, 1 ♂, leg. E. Scheuchl, Kızılcahamam, kurtboğazı, 40°16'28"N, 32°41'19"E, 1003 m, 7.VII.2005, 1 ♀, leg. B. Gülcü; Antalya: Olympos çevresi, 36°24'42"N, 30°25'48"E, 312 m, 13.IV.2006, 1 ♀, 36°32'52"N, 30°26'57 E, 30 m, 13.IV.2006, 2 ♀♀, Hacıobası-Akseki arası, 36°44'01"N, 31°36'10"E, 17 m, 14.IV.2006, 3 ♀♀, leg. B. Gülcü, C. Çobanoğlu; Aydın: Bahçearası çevresi, 16.IV.2005, 1 ♀, leg. B. Gülcü, S. Hazır, Tire çevresi, 10.IV.2006, 2 ♂♂, leg. B. Gülcü, Kuşadası, 29.VI.2006, 2 ♀♀, leg. E. Scheuchl, Karacasu, Yukarıgörle-Karabağlar arası, 37°33'21"N, 28°37'45"E, 554 m, 24.IV.2007, 2 ♀♀, Karacasu, Yazır-Bingeş arası, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Bolu: Bolu'ya 8 km kala, 10.VII.2004, 1 ♀, leg. S. Hazır; Denizli: Denizli-Serinhisar arası, 37°42'38"N, 29°12'17"E, 697 m, 12.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu; Erzurum: İspir, 40°27'56"N, 40°58'27"E, 1176 m, 13.VIII.2005, 1 ♂, leg. B. Gülcü, S. Hazır, İspir-Bayburt arası, 40°26'29"N, 40°49'26"E, 1258 m, 2.VII.2006, 7 ♀♀, leg. B. Gülcü, E. Scheuchl; Manisa: Salihli, 16.VII.2005, 2 ♀♀, leg. B. Gülcü, S. Hazır; Muğla: Dalyan, Gökbel, 36°47'31"N, 28°39'88"E, 0 m, 26.V.2005, 1 ♀, leg. S. Hazır; Uşak: Uşak-Afyon yolu, Büyük Oturak kasabası, 16.VII.2005, 2 ♀♀, leg. B. Gülcü, S. Hazır.

***Andrena morio* Brullé, 1832**
http://species-id.net/wiki/Andrena_morio

Distribution in Turkey. Adapazarı, Amanos dağları, Ankara, Aydın (Kuşadası), Balıkesir (Ayvalık), Eskişehir, İzmir, Konya (Beyşehir) (Warncke 1966); All regions of the country (Warncke 1974); Aydın (Kuşadası), Toros dağları (Warncke 1969); Erzurum (Oltu-Başaklı, Tortum) (Özbek 1976).

Material examined. Ankara: Bala, 39°32'42"N, 33°10'22"E, 961 m, 4.VI.2005, 1 ♀, leg. B. Gülcü, S.Hazır; Antalya: Olympos çevresi, 36°32'52"N, 30°26'57"E, 30 m, 13.IV.2006, 2 ♀♀, leg. B. Gülcü, C. Çobanoğlu; Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 1.III.2006, 2 ♂♂, 17.III.2006, 1 ♀, 21.III.2006, 1 ♂, 31.III.2006, 1 ♀, leg. B. Gülcü, S. Aydın, Kuşadası, Dilek yarımadası milli parkı, 37°41'56"N, 27°09'55 E, 0 m, 10.IV.2006, 2 ♀♀, Bafa Gölü çevresi, 37°28'25"N, 27°25'17"E, 11 m, 11.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Karacasu, Yazar-Nargedik arası, 37°40'16"N, 28°38'40"E, 630 m, 24.IV.2006, 1 ♀, Umurlu, 37°51'16"N, 27°58'43"E, 66 m, 30.IV.2006,1 ♀, Ovacık-Beydağ, Bıçakcı köyü, 38°03'31"N, 28°06'58"E, 799 m, 21.IV.2007, 1 ♂, Sultanhisar-Malgaçmustafa arası, 37°54'56"N, 28°09'58"E, 164 m, 21.IV.2007,1 ♀, Hamzabalı-Çavdar köy arası, 37°47'45"N, 28°07'41"E, 176 m, 22.IV.2007, 1 ♀, Karacasu, Yazar-Bingeş arası, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 1 ♀, Karacasu, Kemer köyü-Güneyyaka arası, 37°32'19"N, 28°31'15"E, 349 m, 24.IV.2007, 7 ♀♀, leg. B. Gülcü, S.Hazır; Erzurum: İspir-Bayburt arası, 40°26'29"N, 40°49'26"E, 1258 m, 2.VII.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl; Kırşehir: Mucur, 39°04'01"N, 34°23'10"E, 1015 m, 4.VI.2005, 1 ♀, 1 ♂, leg. E. Scheuchl; Konya: Tuz Gölü çevresi, 38°44 83 N, 33°03 56 E, 940 m, 19.V.2005, 2 ♂♂, leg. E. Scheuchl, Ahırlı-Bozkır arası, 37°15'06"N, 32°09'00"E, 1201 m, 21.V.2007, 2 ♀♀, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü, S.Hazır; Nevşehir: 38°58'59"N, 34°32'76"E, 1150 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl; Niğde: Gölcük-Çiftlik arası, 38°14'24"N, 34°34'05"E, 1572 m, 20.VI.2006, 3 ♀♀, Sekrin boğazı geçidi, 38°13'42"N, 34°32'35"E, 1657 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

Andrena nigroaenea ssp. *candiae* Strand, 1915

Distribution in Turkey. All regions of the country (Warncke 1974); Erzurum (Oltu) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 27.VI.2005, 2 ♀♀, 29.VI.2005, 2 ♀♀ 1 ♂, leg. E. Scheuchl, 24.III.2006, 4 ♂♂, leg. C. Çobanoğlu, 12.III.2008, 1 ♂, leg. E. Aytekin, Emirdağ, 40°09'14"N, 32°38'12"E, 854 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl, Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Antalya: Manavgat-Alanya arası, 36°44'57"N, 31°30'31"E, 6 m, 13.IV.2006, 1 ♀, Hacıobası-Akseki arası, 36°44'01"N, 31°36'10"E, 17 m, 14.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü, Seki-Elmalı arası, 36°49'45"N, 29°45'36"E, 1434 m, 6.VI.2006, 2 ♀♀, leg. C. Çobanoğlu, E. Scheuchl; Aydın: Kuşadası, Dilek yarımadası milli parkı, 18.IV.2005, 1 ♀, leg. B. Gülcü, Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 1.III.2006, 1 ♀, leg. B. Gülcü, S. Aydın, Kuşadası, Dilek yarımadası milli parkı, 37°41'56"N, 27°09'55"E, 0 m, 10.IV.2006, 1 ♂, leg. C. Çobanoğlu, B. Gülcü, Akçaköy-Çayır arası, 37°58'49"N, 28°00'42"E, 711 m, 28.V.2006, 2 ♀♀, leg. B. Gülcü, S. Hazır; Kasta-

monu: Kastamonu-Ilgaz arası, Çatören, 41°08'41"N, 33°46'49"E 1163 m, 11.VII.2005, 1 ♀, leg. B. Gülcü, Türbe dağı geçiti, 40°56'14"N, 34°12'33"E, 1625 m, 19.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kütahya: Emet-Tavşanlı arası, 39°20'16"N, 29°18'22"E, 1047 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Muğla: Milas-Yatağan arası, Tuzabat, 37°18'46"N, 27°59'88"E, 675 m, 27.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

***Andrena nitida* (Müller, 1776)**
http://species-id.net/wiki/Andrena_nitida

Distribution in Turkey. Erzurum (İspir, Kandilli, Ovacık), Gümüşhane (Zigana dağı), Rize (Çayeli, Çinçiva), Trabzon (Soğanlı geçiti), İstanbul (Belgrat ormanı) (Warncke 1974); Erzurum (İspir, Kandilli, Ovacık) (Özbek 1976).

Material examined. Ankara: Çamlıdere-Elmalı arası, 40°25'51"N, 32°28'01"E, 1278 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

***Andrena nitidemula* Scheuchl & Hazir, 2012**
http://species-id.net/wiki/Andrena_nitidemula

Distribution in Turkey. Ankara (Çamlıdere), Burdur, Hakkari, Konya, Mersin (Limonlu, Mut), Sivas (Scheuchl and Hazir 2012).

Material examined. Ankara: Çamlıdere çevresi, 40°25'51"N, 32°28'01"E, 1278 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl, 40°27'10"N, 32°28'33"E, 1150 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl, Yeşilköy-Kızılcahamam arası, 40°24'15"N, 32°33'38"E, 1328 m, 17.VI.2006, 1 ♂, leg. E. Scheuchl; Burdur: Gölhisar-Altınyayla arası, 37°02'31"N, 29°32'15"E, 1330 m, 6.VI.2006, 1 ♀, leg. E. Scheuchl; Konya: Görmeli çevresi, Toros dağları, 34°31'47"N, 33°59'63"E, 1400 m, 24.V.2005, 1 ♀, leg. S. Hazır; Mersin: Limonlu, 36°33'52"N, 34°13'02"E, 140 m, 23.V.2005, 7 ♀♀, leg. S. Hazır, 2 ♀♀, leg. E. Scheuchl, Gülnar-Ermenek arası, 36°21'38"N, 33°18'84"E, 1075 m, 24.V.2005, 1 ♀, leg. E. Scheuchl; Sivas: Koyulhisar-Mesudiye arası, 40°23'15"N, 37°46'36"E, 12.VIII.2005, 1542 m, 1 ♀, leg. S. Hazır, B. Gülcü.

***Andrena pyropygia* Kriechbaumer, 1873**
http://species-id.net/wiki/Andrena_pyropygia

Distribution in Turkey. Amanos dağları, Amasya, Bursa, Toros dağları (Warncke 1966); Aydın (Kuşadası) (Warncke 1969).

Material examined. Aydın: Davutlar, Ağaçlı köyü, 37°43'99"N, 27°18'80"E, 185 m, 27.V.2005, 1 ♀, leg. E. Scheuchl, Kuşadası, 27.VI.2006, 1 ♀, leg. E. Scheuchl; Çorum: Bayat, 40°35'61"N, 34°18'54"E, 619 m, 17.VI.2005, 1 ♀, 40°37'10"N, 34°17'80"E, 648 m, 17.VI.2005, 2 ♀♀, leg. A.B. Yasan; Mersin: Gülnar, 36°20'40"N, 33°28'77"E, 1140 m, 24.V.2005, 1 ♀, leg. S. Hazır.

***Andrena thoracica* (Fabricius, 1775)**
http://species-id.net/wiki/Andrena_thoracica

Synonym: *Andrena thoracica* ssp. *kotschyi* Mavromoustakis, 1953

Distribution in Turkey. Amanos dağları, Amasya, Balıkesir (Ayvalık), Eskişehir (Sivrihisar), İstanbul, Manisa, (Warncke 1966); Işık dağları (Warncke 1969); Erzurum (Oltu-Başaklı) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 15.VI.2006, 1 ♀, leg. E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E 176 m, 21.II.2006, 1 ♀, leg. B. Gülcü, S. Hazır, 1.III.2006, 1 ♀, leg. B. Gülcü, S. Aydın; Erzurum: İspir-Bayburt arası, 40°26'29"N, 40°49'26"E, 1258 m, 2.VII.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Muğla: Yatağan, 37°12'54"N, 28°20'10"E, 625 m, 26.V.2005, 1 ♀, leg. E. Scheuchl; Sivas: Koyulhisar-Mesudiye arası, 40°23'15"N, 37°46'36"E, 1542 m, 12.VIII.2005, 1 ♀, leg. B. Gülcü, S. Hazır.

Subgenus *Melittoides* Friese, 1921

***Andrena curiosa* (Morawitz, 1877)**
http://species-id.net/wiki/Andrena_curiosa

Distribution in Turkey. Erzurum (Horasan, İspir, Kandilli, Tatos dağları, Tortum), Hatay (Amanos dağları), İzmir, Karaman (Madenşehir), Konya (Warncke 1974); Erzurum (Aşkale, Horasan, İspir, Tortum) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 18.V.2005, 2 ♂♂, 29.V.2005, 1 ♂, 3.VI.2005, 1 ♀, 1 ♂, leg. E. Scheuchl; Konya: Karapınar yolu, 37°57'06"N, 33°37'19"E, 1070 m, 19.V.2005, 1 ♂, leg. E. Scheuchl, Bozkır-Seydişehir arası, 37°15'92"N, 32°07'86"E, 1170 m, 25.V.2005, 1 ♀, leg. E. Scheuchl.

Subgenus *Micrandrena* Ashmead, 1899

***Andrena alfkenelloides* Warncke, 1965**
http://species-id.net/wiki/Andrena_alfkenelloides

Synonym: *Andrena alfkenelloides* ssp. *alfkenelloides* Warncke, 1965; *Andrena alfkenelloides* ssp. *cardalia* Warncke, 1975

Distribution in Turkey. Ankara, Antalya (Akseki, Side), Denizli (Çardak), Mersin (Gülek) Nevşehir (Ürgüp), Niğde (Çiftehan), Tunceli (Warncke 1974); Tunceli (Özbek 1976).

Material examined. Aydın: Akçaköy-Ödemiş arası, 37°58'49"N, 28°00'42"E, 711 m, 28.V.2006, 1 ♀, leg. E. Scheuchl; Burdur: Çavdır-Söğüt arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, leg. E. Scheuchl; Mersin: Yastıbağı, 36°38'55"N, 34°01'16"E, 1030 m, 23.V.2005, 1 ♀, leg. E. Scheuchl, Akova, 36°22'98"N, 33°12'23"E, 24.V.2005, 1 ♀, leg. E. Scheuchl.

***Andrena enslinella* Stöckhert, 1924**
http://species-id.net/wiki/Andrena_enslinella

Distribution in Turkey. Ankara, Çorum, İstanbul (Üsküdar), Konya (Akşehir), Mersin (Sertavul), Sivas (Gürün) (Warncke 1974).

Material examined. Ankara: Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 1 ♀, 1 ♂, leg. E. Scheuchl, Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 15.V.2005, 1 ♀, 2 ♂♂, 7.VI.2005, 2 ♀♀, leg. E. Scheuchl; Isparta: Gelendost, 38°04'08"N, 30°58'70"E, 940 m, 25.V.2005, 1 ♀, leg. E. Scheuchl.

***Andrena magunta* Warncke, 1965**
http://species-id.net/wiki/Andrena_magunta

Distribution in Turkey. Adana, Amanos dağları, Balıkesir (Ayvalık), Kayseri (Erciyes) (Warncke 1966); Adana, Ağrı (Ararat), Amanos dağları, Ankara, Antalya (Akseki), Balıkesir (Ayvalık), Erzurum (Horasan, İspir, Tortum), Gümüşhane, Hatay (Antakya), Kayseri (Erciyes dağı), Konya, Mersin (Namrun, Sertavul), Nevşehir (Ürgüp), Niğde (Ulukışla), Sivas (Gürün) (Warncke 1974); Erzurum (Horasan, İspir, Tortum) (Özbek 1976).

Material examined. Ankara: Çamlıdere çevresi, 40°25'51"N, 32°28'01"E, 1278 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'07"N, 27°51'24"E, 159 m, 12.III.2010, 1 ♀, leg. E. Scheuchl; Kütahya: Emet-Tavşanlı arası, 39°20'16"N, 29°18'22"E, 1047 m, 5.VI.2007,1 ♀, Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Manisa: Demirci, 39°04'48"N, 28°43'36"E, 1260 m, 4.VI.2007, 2 ♀♀, leg. E. Scheuchl; Muğla: Milas-Yatağan arası, 37°18'46"N, 27°59'88"E, 675 m, 27.V.2007, 1 ♀, leg. E. Scheuchl.

***Andrena oenas* Warncke, 1975**
http://species-id.net/wiki/Andrena_oenas

Distribution in Turkey. Ankara, Erzurum (Horasan), Konya (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 29.V.2005, 2 ♀♀, leg. E. Scheuchl.

Andrena stoeckhertella **Pittioni, 1948**
http://species-id.net/wiki/Andrena_stoeckhertella

Distribution in Turkey. Ankara, Konya (Warncke 1974).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 15.V.2005, 1 ♀, leg. E. Scheuchl; Mersin: Esenpınar, 36°35'79"N, 34°02'70"E, 970 m, 23.V.2005, 1 ♀, leg. E. Scheuchl.

Andrena tringa **Warncke, 1973**
http://species-id.net/wiki/Andrena_tringa

Distribution in Turkey. Ankara (Şereflikoçhisar), Ardahan, Burdur, Erzurum (Oltu), Kayseri (Yeşilhisar), Konya (Sarayönü), Nevşehir (Ürgüp) (Warncke 1974); Ardahan, Erzurum (Oltu, Tortum), Kars (Özbek 1976).

Material examined. Ankara: Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 2 ♀♀, leg. E. Scheuchl; Kırşehir: 39°10'72"N, 34°09'08"E, 1010 m, 4.V.2005, 1 ♀, leg. E. Scheuchl.

Andrena virgata **Warncke, 1975**
http://species-id.net/wiki/Andrena_virgata

Distribution in Turkey. Ağrı (Ararat), Ankara, Erzurum (Horasan) (Warncke 1974); Ağrı (Doğubayazıt), Erzurum (Horasan) (Özbek 1976).

Material examined. Antalya: Manavgat, Başlar köyü-Ormana arası, 37°07'80"N, 31°30'92"E, 1063 m, 21.V.2007, 1 ♀, leg. E. Scheuchl; Aydın: Ovacık-Beydağ arası, 38°03'31"N, 28°06'58"E, 799 m, 21.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Manisa: Spil dağı milli parkı, 38°35'15"N, 27°26'16"E, 612 m, 23.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Mersin: Şahmurlu köyü, 36°38'58"N, 34°01'23"E, 970 m, 23.V.2005, 1 ♀, leg. E. Scheuchl, Gülnar çevresi, Pinus ormanı, 36°20'40"N, 33°28'77"E, 1140 m, 24.V.2005, 1 ♀, leg. E. Scheuchl.

Subgenus *Nobandrena* Warncke, 1968

Andrena anatolica **Alfken, 1935**
http://species-id.net/wiki/Andrena_anatolica

Distribution in Turkey. Ankara, Eskişehir, Konya, Mersin (Mut) (Warncke 1966); Ankara, Erzurum (Horasan), Eskişehir, Karaman (Madenşehir), Konya (Ereğli), Mersin (Mut), Sivas (Gürün) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 29.V.2005, 1 ♂, leg. E. Scheuchl, 3.VI.2005, 1 ♀, leg. C. Çobanoğlu, Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m,

18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Karaman: Gölcük-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Kırklareli: Çukurpınar, 41°51'41"N, 27°29'72"E, 409 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°20'16"N, 29°18'22"E, 1047 m, 5.VII.2007, 1 ♀, leg. C. Hazır, S. Hazır; Mersin: Sertavul-Mut arası, 36°48'36"N, 33°19'48"E, 1270 m, 21.V.2005, 1 ♀, leg. S. Hazır; Muğla: Marmaris yolu, 37°11'33"N, 28°21'82"E, 620 m, 27.V.2007, 2 ♀♀, leg. B. Gülcü; Nevşehir: 38°58'59"N, 34°32'76"E, 1150 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl.

Andrena athenensis Warncke, 1965
http://species-id.net/wiki/Andrena_athenensis

Distribution in Turkey. Erzurum (Horasan), Konya (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Afyon: Köroğlu dağ geçiti, 38°55'20"N, 30°53'40"E, 1295 m, 21.VI.2006, 2 ♀♀, 1 ♂, leg. E. Scheuchl; Burdur: Gölhisar-Altınyayla arası, 37°05'34"N, 29°31'51"E, 977 m, 6.VI.2006, 1 ♀, Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, 1 ♂, 37°08'05"N, 29°41'18"E, 1015 m, 6.VI.2006, 2 ♀♀, Yeşilova, 37°29'01"N, 29°46'37 E, 1239 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu; Kütahya: Demirci-Simav arası, 39°08'00"N, 28°47'26"E, 686 m, 4.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır, Dereköy, 39°11'44"N, 29°17'45"E, 868 m, 4.VI.2007, 1 ♂, leg. E. Scheuchl.

Andrena flavobila Warncke, 1965
http://species-id.net/wiki/Andrena_flavobila

Synonym: *Andrena flavobila* ssp. *albicilla* Warncke, 1975

Distribution in Turkey. Konya (Sarayönü) (Warncke 1966), Ankara (Şereflikoçhisar), Denizli (Acı göl), Nevşehir (Ürgüp), Niğde (Ulukışla) (Warncke 1974).

Material examined. Ankara: Kazan, 14.V.2005, 1 ♀, leg. E. Scheuchl, Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 15.V.2005, 1 ♀, leg. E. Scheuchl; Konya: Tuz Gölü çevresi, 38°44'83"N, 33°03'56"E, 940 m, 19.V.2005, 1 ♀, leg. E. Scheuchl.

Andrena nobilis Morawitz, 1874
http://species-id.net/wiki/Andrena_nobilis

Distribution in Turkey. Aksaray, Ankara, Kayseri, Kırıkkale, Konya (Beyşehir), Toros dağları (Warncke 1966); Adana (Pozantı), Aksaray, Amasya, Ankara, İzmir (Selçuk),

Erzurum (Azort, İspir, Horasan, Tanyeri), Karaman (Madenşehir), Kayseri, Kırıkkale, Konya (Beyşehir), Mersin (Gülek, Sertavul), Nevşehir (Ürgüp) (Warncke 1974); Erzurum (Oltu, Tortum, İspir, Horasan) (Özbek 1976).

Material examined. Aksaray: 38°28'97"N, 33°53'31"E, 977 m, 5.VI.2005, 1♀, leg. B. Gülcü, S. Hazır; Ankara: Karakeçili, 39°35'00"N, 33°24'67"E, 762 m, 4.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır, Beypazarı, Kargı köyü, 9.VI.2005, 1 ♀, leg. E. Aytekin; Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 19.IV.2007, 1 ♂, Ovacık, 38°01'18"N, 28°10'75"E, 1292 m, 24.VI.2008, 7 ♀♀, Uzunlar-Ovacık arası, 38°00'86"N, 28°10'80"E, 1300 m, 24.VI.2008, 6 ♀♀, leg. B. Gülcü, S. Hazır; Burdur: Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 2 ♀♀, Tefenni, 37°16'10"N, 29°52'44"E, 1150 m, 8.VI.2006, 1 ♀, 37°20'40"N, 29°48'24"E 1132 m, 8.VI.2006, 1 ♀ leg. C. Çobanoğlu, E. Scheuchl; Çorum: Bayat, 40°40'06"N, 34°27'19"E, 715 m, 17.VI.2005, 2 ♀♀, leg. S. Hazır, B. Gülcü; İzmir: Ödemiş-Bozdağ arası, 38°17'45"N, 28°03'56"E, 1018 m, 28.V.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Konya: Seydişehir-Bozkır arası, 37°23'56"N, 32°01'06"E, 1097 m, 21.V.2007, 1 ♀, Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 3 ♀♀, leg. B. Gülcü, S. Hazır; Kütahya: Gediz-Hisarcık arası, 39°07'55"N, 29°21'05"E, 1009 m, 4.VI.2007, 1 ♀, leg. E. Scheuchl; Nevşehir: Gülhisar, 38°43'42"N, 34°41'00"E, 1011 m, 4.VI.2005, 5 ♂♂, leg. B. Gülcü, S. Hazır; Yozgat: 39°40'86"N, 35°45'89"E, 1254 m, 18.VI.2005, 2 ♀♀, leg. S. Hazır, B. Gülcü.

Andrena probata Warncke, 1973

http://species-id.net/wiki/Andrena_probata

Distribution in Turkey. Erzurum (Warncke 1974; Özbek 1976).

Material examined. Ankara: Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Bursa: Uludağ, Soğuk Pınar yolu, 40°03'84"N, 29°07'11"E, 1029 m, 3.VI.2009, 2 ♂♂, leg. B. Gülcü, C. Demirtaş; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Kayseri: Erciyes-Develi arası, 38°29'00"N, 35°30'45"E, 2002 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

Subgenus *Notandrena* Pérez, 1890

Andrena erythrocnemis Morawitz, 1870

http://species-id.net/wiki/Andrena_erythrocnemis

Distribution in Turkey. Antalya (Finike), İzmir (Selçuk), Muğla (Marmaris), Samsun (Warncke 1974).

Material examined. Kırklareli: Sarpdere çıkışı mağara yolu, 41°51'92"N, 27°34'93"E, 390 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Samsun: Samsun-Ankara arası, 41°05'24"N, 36°05'04"E, 728 m, 3.VII.2006, 1 ♀, leg. E. Scheuchl.

***Andrena fulvicornis* (Schenck, 1853)**
http://species-id.net/wiki/Andrena_fulvicornis

Synonym: *Andrena nitidiuscula* sensu Warncke 1974 partim, nec Schenck 1853

Distribution in Turkey. Antalya, Erzurum, Hakkari (Schmid-Egger and Doczkal 1995); Erzurum (Schwenninger 2013).

Material examined. Adana: Ceyhan, 23.IV.2005, 2 ♀♀, Misis-Ceyhan arası, 23.IV.2005, 7 ♀♀, leg. S. Hazır; Ankara: Kazan, 15.V.2005,1 ♀, leg. S. Hazır; Burdur: Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, Tefenni, 37°20'40"N, 29°48'24"E, 1132 m, 8.VI.2006, 2 ♀♀, Yeşilova, 37°29'01"N, 29°46'37"E, 1239 m, 8.VI.2006, 5 ♀♀, leg. C. Çobanoğlu, E. Scheuchl; Isparta: Gelendost, 38°06'82"N, 31°01'45"E, 960 m, 25.V.2005, 1 ♀, leg. S. Hazır; Mersin: Gülnar, 36°20'84"N, 33°37'58"E, 1010 m, 24.V.2005, 1 ♀, leg. S. Hazır; Samsun: Samsun-Ankara arası, 41°05'24"N, 36°05'04"E, 728 m, 3.VII.2006, 2 ♀♀, leg. E. Scheuchl.

***Andrena langadensis* ssp. *clanga* Warncke, 1965**

Distribution in Turkey. Adana (Ceyhan, Kadirli) (Warncke 1966); Adana (Ceyhan, Kadirli, Karataş), İzmir (Selçuk), Mersin (Tarsus) (Warncke 1974).

Material examined. Ankara: Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 2 ♀♀, leg. E. Scheuchl; Kırıkkale: 39°55'25"N, 33°59'05"E, 1165 m, 18.VI.2005, 5 ♀♀, leg. A.B. Yasan.

***Andrena recurvirostra* Warncke, 1975**
http://species-id.net/wiki/Andrena_recurvirostra

Distribution in Turkey. Konya (Beyşehir), Muş, Şanlıurfa (Warncke 1974); Konya (Beyşehir) (Warncke 1975); Erzurum (Oltu), Muş (Özbek 1976).

Material examined. Ankara: Kazan, 40°09'14"N, 32°38'12"E, 14.V.2005, 1 ♀, leg. E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 180 m, 4.VI.2006, 1 ♀, leg. E. Scheuchl; Konya: Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 2 ♂♂, leg. B. Gülcü, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 1 ♀, 3 ♂♂, leg. B. Gülcü, S. Hazır.

***Andrena selcuki* Scheuchl & Hazir, 2008**
http://species-id.net/wiki/Andrena_selcuki

Distribution in Turkey. Konya (Kulu) (Scheuchl and Hazir 2008).

Material examined. Konya, Kulu, 38°54'98"N, 32°59'56"E, 1145 m, 19.V.2005, 2 ♂♂, leg. E. Scheuchl.

***Andrena stellaris* Warncke, 1965**
http://species-id.net/wiki/Andrena_stellaris

Distribution in Turkey. Aksaray (Warncke 1966); Aksaray, Nevşehir (Ürgüp), Niğde, Kayseri (Yeşilhisar, Sultanhanı) (Warncke 1974).

Material examined. Kırıkkale: 39°55'25"N, 33°59'05"E, 1165 m, 18.VI.2005, 2 ♀♀, leg. A.B. Yasan.

***Andrena ungeri* Mavromoustakis, 1952**
http://species-id.net/wiki/Andrena_ungeri

Distribution in Turkey. Adana (Ceyhan, Kadirli), Hatay (Warncke 1966).

Material examined. Adana: Pozantı otoban çevresi, 25.IV.2004, 1 ♀, leg. C. Çobanoğlu, Ceyhan, 23.IV.2005, 2 ♀♀, Misis-Ceyhan arası, 23.IV.2005, 1 ♀, 1 ♂, leg. S. Hazır; Aksaray: 38°28'97"N, 33°53'30"E, 975 m, 5.VI.2005, 1 ♂, leg. E. Scheuchl; Amasya: Yeşilöz, 40°33'19"N, 36°08'46"E, 822 m, 17.VI.2005, 1 ♀, leg. B. Gülcü; Aydın: Umurlu, Serçeköy köyü, 37°50'30"N, 27°56'00"E, 32 m, 9.VI.2007, 1 ♀, leg. E. Scheuchl; Burdur: Tefenni, 37°20'40"N, 29°48'24"E, 1132 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; 16-05-2006 Hatay: Yayladağı, 35°55'20"N, 36°02'86"E, 437 m, 16.V.2006, 1 ♀, Yayladağı-Leylekli arası, 35°57'79"N, 36°02'88"E, 628 m, 16.V.2006, 2 ♀♀, Altınözü, 36°06'57"N, 36°16'27"E, 204 m, 17.V.2006, 2 ♀♀, leg. C. Çobanoğlu, S. Hazır, Serinyol, 36°22'07"N, 36°11'89"E, 152 m, 4.V.2007,1 ♀, leg. B. Gülcü, C. Hazır.

Subgenus *Opandrena* Robertson, 1902

***Andrena schencki* Morawitz, 1866**
http://species-id.net/wiki/Andrena_schencki

Distribution in Turkey. All regions of the country (Warncke 1974); Erzurum (Oltu, Hınıs, Pasinler, Horasan) (Özbek 1976).

Material examined. Ankara: Çamlıdere, 40°32'42"N, 32°34'19"E, 1190 m, 17.VI.2006,1 ♀, Kızılcahamam, 40°24'24"N, 32°34'20"E, 1317 m, 17.VI.2006, 1 ♀, Kurtboğazı barajı çevresi, 40°16'28"N, 32°41'19"E, 1014 m, 17.VI.2006, 2 ♀♀,

Şabanözü-Çankırı arası, 40°30'23"N, 33°24'54"E, 1487m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Antalya: Korkuteli-Tefenni arası, 37°09'30"N, 30°01'53"E, 1445 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl, Taşağıl, Beydiğin köyü, 37°00'54"N, 31°22'74"E, 250 m, 20.V.2007, 7 ♀♀, leg. B. Gülcü, C. Hazır; Aydın: Madran dağı, 37°39'12"N, 28°11'51"E, 1546 m, 17.V.2007, 1 ♂, leg. B. Gülcü; Balıkesir: Kazdağları, Küçükkuyu-Kırcı yolu, 39°36'01"N, 26°34'51"E, 477 m, 30.V.2009, 2 ♀♀, leg. B. Gülcü, C. Demirtaş; Çankırı: Saçakbeli dağ geçiti, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 2 ♀♀, 1 ♂, leg. E. Scheuchl; Çorum: 40°34'82"N, 34°45'08"E, 1167 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Konya: Kulu, 38°54'98"N, 32°59'56"E, 1145 m, 19.V.2005, 1 ♀, leg. E. Scheuchl, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü; Mersin: Gülnar-Ermenek arası, Toros dağları, 24.V.2005, 1 ♀, leg. E. Scheuchl; Kütahya: Simav-Saphane arası, 39°03'06"N, 29°06'02"E, 966 m, 4.VI.2007, 1 ♂, leg. E. Scheuchl; Emet-Tavşanlı arası, 39°27'30"N, 29°19'03"E, 881 m, 5.VI.2007, 2 ♀♀, 1 ♂, leg. E. Scheuchl.

Subgenus *Orandrena* Warncke, 1968

Andrena acrana Warncke, 1967

http://species-id.net/wiki/Andrena_acrana

Distribution in Turkey. Aksaray, Ankara (Gölbaşı, Şereflikoçhisar), Erzurum, Kayseri (Yeşilhisar), Nevşehir (Ürgüp), Niğde (Ulukışla), Konya (Sarayönü) (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Aksaray: 38°28'97"N, 33°53'30"E, 975 m, 5.VI.2005, 1 ♀, leg. E. Scheuchl; Ankara: Kazan, 15.V.2005, 1 ♀, leg. S. Hazır, 1 ♀, leg. E. Scheuchl, Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 11.V.2005, 1 ♂, 29.V.2005, 1 ♀, leg. E. Scheuchl; Konya: Eskil-Karapınar çevresi, 38°08 18 N, 33°30 49 E, 900 m, 19.V.2005, 1 ♀, leg. E. Scheuchl, Kulu-Cihanbeyli arası, 38°41'74"N, 32°55'32"E, 986 m, 19.V.2005, 1 ♀, leg. S. Hazır, Tuz Gölü çevresi, 38°44'83"N, 33°03'56"E, 940 m, 19.V.2005, 1 ♂, leg. E. Scheuchl.

Andrena garrula Warncke, 1965

http://species-id.net/wiki/Andrena_garrula

Distribution in Turkey. Ankara (Şereflikoçhisar), Edirne, Kayseri (Yeşilhisar), Konya (Sarayönü), Nevşehir (Ürgüp), Muş (Warncke 1974); Erzurum (Oltu), Muş (Özbek 1976); Konya (Sarayönü) (Blank and Kraus 1994).

Material examined. Aksaray: 38°37'29"N, 33°45'21"E, 921 m, 3.V.2007, 6 ♀♀, leg. B. Gülcü, C. Hazır); Ankara: Kazan, 15.V.2005, 1 ♀, leg. S. Hazır, 1 ♀, leg. E. Scheuchl, Hacettepe Üniversitesi Beytepe kampüsü, 21.IV.2006, 3 ♀♀, leg. C. Çobanoğlu; Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 1 ♀, leg. E. Scheuchl.

***Andrena oralis* Morawitz, 1876**
http://species-id.net/wiki/Andrena_oralis

Distribution in Turkey. Amasya, Ankara (Elmadağı) (Warncke 1974).

Material examined. Kayseri: Kayseri-Erciyes arası, 38°36'57"N, 35°30'48"E, 1680 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

***Andrena platalea* Warncke, 1975**
http://species-id.net/wiki/Andrena_platalea

Distribution in Turkey. Erzurum, Niğde (Ulukışla), Sivas (Gürün) (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Antalya: Korkuteli-Tefenni arası, 37°08'14"N, 30°03'51"E, 1353 m, 8.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Konya: Eskil-Karapınar çevresi, 38°08 18 N, 33°30 49 E, 900 m, 19.V.2005, 1 ♀, leg. E. Scheuchl.

Subgenus *Oreomelissa* Hirashima & Tadauchi, 1975

***Andrena coitana* ssp. *xema* Warncke, 1975**

Distribution in Turkey. Bayburt, Erzurum (Tatos dağları 1600 m), Gümüşhane (Zigana dağı), Rize (İkizdere, 2100 m) (Warncke 1974); Bayburt, Erzurum (İspir) (Özbek 1976); Rize (İkizdere) (Blank and Kraus 1994).

Material examined. Rize: İspir yolu, Sivrikaya köyü, 40°40'32"N, 40°42'33"E, 1860 m, 2.VII.2006, 1 ♀, 1 ♂, leg. C. Çobanoğlu.

Subgenus *Pallandrena* Warncke, 1968

***Andrena korbella* Grünwaldt, 2005**
http://species-id.net/wiki/Andrena_korbella

Distribution in Turkey. Ağrı, Erzincan, Erzurum, Hakkari (Grünwaldt et al. 2005).

Material examined. Adana: Saimbeyli çevresi, 38°04'15"N, 36°08'52"E, 1470 m, 6.V.2007, 3 ♂♂ leg. S. Hazır, B. Gülcü, Pınarlar-Saimbeyli arası, 38°07'31"N, 36°10'00"E, 1440 m, 6.V.2007, 3 ♀♀, leg. S. Hazır, B. Gülcü.

Subgenus *Parandrenella* Popov, 1958

Andrena crispa Warncke, 1975
http://species-id.net/wiki/Andrena_crispa

Distribution in Turkey. Erzurum (Horasan) (Warncke 1974; Özbek 1976; Blank and Kraus 1994).

Material examined. Ankara: Çamlıdere, 40°32'42"N, 32°34'19"E, 17.VI.2006, 1190 m. 1 ♀, Çamlıdere-Elmalı arası, 40°27'10"N, 32°28'33"E, 1150 m, 17.VI.2006, 1 ♀, Peçenek-Çamlıdere arası, 40°27'21"N, 32°25'21"E, 1144 m, 17.VI.2006, 7 ♀♀, Kızılcahamam-Gerede arası, 40°32'17"N, 32°36'33"E, 1001 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Bursa: Uludağ, Soğuk Pınar-Keleş yolu, 40°01'74"N, 29°07'44"E, 798 m, 3.VI.2009, 1 ♀, 1 ♂, leg. B. Gülcü, C. Demirtaş; Kayseri: Kayseri-Erciyes arası, 38°36'57"N, 35°30'48"E, 1680 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kütahya: Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır.

Andrena dentiventris Morawitz, 1873
http://species-id.net/wiki/Andrena_dentiventris

Distribution in Turkey. Aksaray, Konya (Warncke 1966); Aksaray, Ankara (Gölbaşı, Polatlı), Erzurum, Kayseri (Sultanhanı, Yeşilhisar), Konya (Sarayönü), Nevşehir (Ürgüp), Niğde (Ulukışla) (Warncke 1974); Erzurum, Muş (Özbek 1976).

Material examined. Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 2 ♂♂, leg. E. Scheuchl; Konya: Kulu-Cihanbeyli arası, 38°41'74"N, 32°55'32"E, 986 m, 19.V.2005, 2 ♀♀, leg. S. Hazır, Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena figurata Morawitz, 1866
http://species-id.net/wiki/Andrena_figurata

Distribution in Turkey. Adapazarı, Ankara, Konya (Warncke 1966); Adapazarı, Ankara (Gölbaşı), Erzurum (Horasan), Kayseri (Yeşilhisar), Konya (Sarayönü), Mersin (Sertavul), Nevşehir (Ürgüp), Niğde (Ulukışla), Sivas (Gürün) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 3.VI.2005, 2 ♀♀, leg. C. Çobanoğlu; 11.V.2005, 1 ♂, 18.V.2005, 2 ♂♂, leg. E. Scheuchl, Kazan, 40°11'18"N, 32°40'37"E, 14.V.2005, 2 ♂♂, leg. E. Scheuchl; Kırşehir: Kaman çıkışı, 39°22'16"N, 33°47'71"E, 1057 m, 4.VI.2005, 1 ♀, Karakaya köyü, 39°26'34"N, 33°38'72"E, 971 m, 4.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Konya: Kulu, 38°54'98"N, 32°59'56"E, 1145 m, 19.V.2005,

1 ♂, leg. E. Scheuchl, Kulu-Cihanbeyli arası: 38°41'74"N, 32°55'32"E, 986 m, 19.V.2005, 1 ♀, Beyşehir, 37°51'35"N, 31°36'19"E, 1140 m, 25.V.2005, 1 ♀, leg. S. Hazır; Mersin: Gülnar-Ermenek arası, 36°21'38"N, 33°18'84"E, 1075 m, 24.V.2005, 1 ♀, E. Scheuchl; Niğde: Ulukışla, 37°32'82"N, 34°31'40"E, 1389 m, 19.V.2006, 1 ♀, leg. C. Çobanoğlu, S. Hazır; Sivas: Yıldızeli, 39°53'26"N, 36°34'28"E, 1380 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan; Yozgat: Ozan köyü, 39°48'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 1 ♀, Pazarcık, 39°47'90"N, 36°00'49"E, 1242 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

Subgenus *Plastandrena* Hedicke, 1933

Andrena bimaculata (Kirby, 1802)

http://species-id.net/wiki/Andrena_bimaculata

Distribution in Turkey. Adana, Adapazarı, Balıkesir (Ayvalık), Malatya (Warncke 1966); Erzincan, Erzurum, Muş (Özbek 1976).

Material examined. Ankara: Kurtboğazı-Pazar arası, 40°19'36"N, 32°42'12"E, 993 m, 17.VI.2006, 2 ♀♀, Kurtboğazı barajı çevresi, 40°16'28"N, 32°41'19"E, 1014 m, 17.VI.2006, 1 ♂, Emirdağ, 40°09'14"N, 32°38'12"E 854 m, 17.VI.2006, 1 ♀, Kızılcahamam-Çerkes arası, 40°31'18"N, 32°38'11"E, 1113 m, 18.VI.2006, 1 ♀, 1 ♂, Şabanözü-Çankırı arası, 40°30'23"N, 33°24'54"E, 1487 m, 18.VI.2006, 1 ♂, leg. B. Gülcü, E. Scheuchl; Aydın: Kuşadası, Dilek yarımadası milli parkı, Jandarma karakolu çevresi, 15.IV.2005, 1 ♂, leg. S. Hazır, Ağaçlı-Davutlar arası, 37°44'00"N, 27°19'17"E, 187 m, 10.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü; Kastamonu: Tosya-İskilip arası, 40°56'18"N, 34°15'10"E, 1507 m, 19.VI.2006, 1 ♀, 40°58'43"N, 34°11'23"E, 1171 m, 19.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kayseri: Erciyes-Develi arası, 38°29'00"N, 35°30'45"E, 2002 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

Andrena pilipes Fabricius, 1781

http://species-id.net/wiki/Andrena_pilipes

Synonym: *Andrena carbonaria* (Linné, 1767)

Distribution in Turkey. Denizli (Dazkırı) (Warncke 1969).

Material examined. Adana: Pozantı otoban çevresi, 25.IV.2004, 2 ♀♀, leg. C. Çobanoğlu, Göksun-Tufanbeyli arası, 38°14'76"N, 36°18'22"E, 1449 m, 6.V.2007, 1 ♂, leg. B. Gülcü, C. Hazır; Aksaray: Zengen, 10.V.2004, 2 ♀♀, leg. S. Hazır; Ankara: Kazan, 15.V.2005, 1 ♀, leg. E. Scheuchl, 1 ♀, 1 ♂, leg. S. Hazır; Antalya: Taşağıl-Beşkonak arası, 36°56'53"N, 31°13'00"E, 68 m, 14.IV.2006, 2 ♀♀, leg. C. Çobanoğlu, B. Gülcü; Aydın: Kuşadası, Ağaçlı-Davutlar arası, 37°44'00"N, 27°19'17"E, 187 m, 10.IV.2006, 1 ♂, leg. C. Çobanoğlu, Umurlu, 37°51'16"N, 27°58'43"E, 66 m, 30.IV.2006, 2 ♀♀,

leg. B. Gülcü, S. Hazır, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 19.IV.2007, 1 ♀, 21.VI.2007, 1 ♀, leg. B. Gülcü, S. Hazır, Sultanhisar-Malgaçmustafa arası, 37°54'56"N, 28°09'58"E, 164 m, 21.IV.2007, 1 ♀, leg. B. Gülcü, Malgaçmustafa-Ovacık arası, 37°59'11"N, 28°10'21"E, 771 m, 21.IV.2007, 1 ♀, leg. S. Hazır, Atça, 37°52'40"N, 28°13'52"E, 52 m, 22.IV.2007, 1 ♀, leg. B. Gülcü, Hamzabalı-Çavdarköy arası, 37°47'45"N, 28°07'41"E, 176 m, 22.IV.2007, 2 ♀♀, leg. C. Çobanoğlu, B. Gülcü, Karacasu, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 3 ♀♀, 1 ♂, Karacasu, Güneyyaka köyü, 37°31'01"N, 28°30'45"E, 588 m, 24.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; İzmir: Tire, 10.IV.2006, 2 ♂♂, leg. B. Gülcü; Kırşehir: Karakaya köyü, 39°26'34"N, 33°38'72"E, 971 m, 4.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Konya: Tuz gölü çevresi, 38°44'83"N, 33°03'56"E, 940 m, 19.V.2005, 1 ♂, leg. S. Hazır, Seydişehir-Bozkır arası, 37°21'57"N, 32°05'01"E, 1098 m, 21.V.2007, 3 ♀♀, Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 1 ♀, leg. B. Gülcü, Akören, 37°31'22"N, 32°38'71 E, 1030 m, 23.V.2007, 1 ♀, 2 ♂♂, leg. B. Gülcü, S. Hazır; Mersin: Sertavul-Mut arası, 36°48'36"N, 33°19'48"E, 1270 m, 21.V.2005, 1 ♂, leg. S. Hazır; Niğde: Gölcük-Çiftlik arası, 38°14'24"N, 34°34'05"E, 1572 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

***Andrena tibialis* (Kirby, 1802)**
http://species-id.net/wiki/Andrena_tibialis

Synonym: *Andrena tibialis* ssp. *tibialis* (Kirby, 1802); *Andrena tibialis* ssp. *concreta* Warncke, 1975; *Andrena tibialis* ssp. *porzana* Warncke, 1975

Distribution in Turkey. Amasya (Warncke 1966); Amasya, Ardahan (Warncke 1974); Ardahan (Özbek 1976).

Material examined. Ankara: Kazan, 15.V.2005, 1 ♀, leg. S. Hazır; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 19.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Denizli: 37°50'01"N, 29°02'51"E, 345 m, 12.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü.

Subgenus Poecilandrena Hedicke, 1933

***Andrena crassana* Warncke, 1965**
http://species-id.net/wiki/Andrena_crassana

Synonym: *Andrena crassana* ssp. *crassana* Warncke, 1965; *Andrena crassana* ssp. *inka* Warncke, 1969

Distribution in Turkey. Antalya (Finike), Bursa (Karacabey), Muğla (Marmaris) (Warncke 1974).

Material examined. Antalya: Taşağıl, Beydiğin çevresi, 37°00'54"N, 31°22'74"E, 250 m, 20.V.2007, 1 ♀, leg. E. Scheuchl, Manavgat, Başlar köyü-Ormana arası, 37°07'80"N, 31°30'92"E, 1063 m, 21.V.2007, 1 ♀, leg. E. Scheuchl; Hatay: Serinyol, 36°22'07"N, 36°11'89"E, 152 m, 4.V.2007, 2 ♀♀, 36°23'24"N, 36°11'75"E, 261 m, 4.V.2007, 3 ♀♀, leg. B. Gülcü, C. Hazır; Kütahya: Simav-Saphane arası, 39°03'06"N, 29°06'02"E, 966 m, 4.VI.2007, 1 ♀, leg. E. Scheuchl; Muğla: Yatağan, 37°12'54"N, 28°20'10"E, 625 m, 26.V.2005, 1 ♀, leg. S. Hazır.

***Andrena efeana* Scheuchl & Hazir, 2012**
http://species-id.net/wiki/Andrena_efeana

Distribution in Turkey. Aydın (Scheuchl and Hazir 2012).

Material examined. Aydın: Malgaçmustafa-Ovacık arası, 38°01'17' N, 28°09'57' E, 1084 m, 21.IV.2007, 7 ♀♀, 1 ♂, leg. S. Hazır, B. Gülcü.

***Andrena hybrida* Warncke, 1975**
http://species-id.net/wiki/Andrena_hybrida

Distribution in Turkey. Erzurum, Konya, Muş (Warncke 1974); Erzurum, Muş (Özbek 1976); Konya (Blank and Kraus 1994).

Material examined. Aydın: Madran dağı, 37°39'12"N, 28°11'51"E, 1546 m, 17.V.2007, 6 ♀♀, 2 ♂♂, leg. B. Gülcü, S. Hazır; Konya: Eskil-Karapınar arası, 38°08'18"N, 33°30'49"E, 900 m, 19.V.2005, 1 ♀, leg. E. Scheuchl, Kulu-Cihanbeyli arası, 39°40'85"N, 32°55'32"E, 985 m, 19.V.2005, 1 ♀, leg. E. Scheuchl, Karapınar, 38°02'05"N, 33°34'75"E, 945 m, 1 ♀, leg. E. Scheuchl.

***Andrena iliaca* Warncke, 1969**
http://species-id.net/wiki/Andrena_iliaca

Distribution in Turkey. Diyarbakır (Hazir et al. 2012).

Material examined. Diyarbakır: Karacadağ çevresi, 31.V.2005, 1 ♂, leg. B. Gülcü.

***Andrena labiata* Fabricius, 1781**
http://species-id.net/wiki/Andrena_labiata

Synonym: *Andrena labiata* ssp. *labiata* Fabricius, 1781

Distribution in Turkey. Ankara, Osmaniye (Warncke 1974), Erzurum, Iğdır (Özbek 1976).

Material examined. Ankara: Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 3 ♀♀, 1 ♂, leg. B. Gülcü, E. Scheuchl; Karaman: Taşkent 36°53'16"N, 32°31'37"E, 1735 m, 22.V.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Kastamonu: Tosya-İskilip arası, 40°58'43"N, 34°11'23"E, 1171 m, 19.VI.2006, 2 ♀♀, Türbe dağı geçiti, 40°56'14"N, 34°12'33"E, 1625 m, 19.VI.2006, 1 ♂, leg. B. Gülcü, E. Scheuchl.

***Andrena laticeps* Morawitz, 1877**
http://species-id.net/wiki/Andrena_laticeps

Distribution in Turkey. Adapazarı, Kayseri, Konya (Warncke 1966); Adapazarı, Erzincan (Refahiye), Kayseri, Konya, Niğde (Ulukışla), Mersin (Sertavul), Sivas (Gürün) (Warncke 1974); Erzincan (Refahiye) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 17.V.2005, 3 ♂♂, leg. C. Çobanoğlu, 27.V.2005, 1 ♂, 29.V.2005, 1 ♀, leg. E. Scheuchl, Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 4 ♀♀, 1 ♂, leg. B. Gülcü, S. Hazır, Taşkent çevresi, 36°53'16"N, 32°31'37"E, 1735 m, 22.V.2007, 1 ♂, leg. E. Scheuchl; Kütahya: Emet, 39°20'06"N, 29°18'12"E, 1044 m, 5.VI.2007, 1 ♀, leg. E. Scheuchl; Mersin: Akova, 36°22'98"N, 33°12'23"E, 1215 m, 24.V.2005, 2 ♀♀, leg. E. Scheuchl; Niğde: 37°34'79"N, 34°31'94"E, 1516 m, 19.V.2006, 2 ♀♀, leg. C. Çobanoğlu.

***Andrena seminuda* Friese, 1896**
http://species-id.net/wiki/Andrena_seminuda

Distribution in Turkey. Balıkesir (Bigadiç, Sındırgı), Çorum (İskilip), İstanbul (Üsküdar), Gümüşhane (Zigana köyü), Samsun (Warncke 1974).

Material examined. Ankara: Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Bursa: Uludağ, Soğuk Pınar yolu, 40°03'84"N, 29°07'11"E, 1029 m, 3.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş.

***Andrena semirubra* Morawitz, 1875**
http://species-id.net/wiki/Andrena_semirubra

Distribution in Turkey. Ankara, Antalya (Akseki), Bursa (Uludağ), Erzincan (Refahiye), Erzurum (Tortum, İspir), Sivas (Gürün) (Warncke 1974); Erzincan (Refahiye), Erzurum (Tortum, İspir) (Özbek 1976).

Material examined. Adana: Göksun-Tufanbeyli arası, 38°14'76"N, 36°18'22"E, 1449 m, 6.V.2007, 1 ♂, leg. B. Gülcü, C. Hazır; Ankara: Hacettepe Üniversitesi

Beytepe kampüsü, 29.V.2005, 1 ♂, leg. E. Scheuchl; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 1 ♀, Taşkent, 36°53'16"N, 32°31'37"E, 1735 m, 22.V.2007, 9 ♀♀, leg. B. Gülcü, S. Hazır; Kastamonu: Türbe dağı geçiti, 40°56'14"N, 34°12'33"E, 1625 m, 19.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kütahya: Emet, 39°20'06"N, 29°18'12"E, 1044 m, 5.VI.2007, 1 ♀, leg. E. Scheuchl; Niğde: 37°34'79"N, 34°31'94"E, 1516 m, 19.V.2006, 1 ♀, leg. C. Çobanoğlu, S. Hazır.

Subgenus *Poliandrena* Warncke, 1968

Andrena kriechbaumeri Schmiedeknecht, 1883
http://species-id.net/wiki/Andrena_kriechbaumeri

Distribution in Turkey. Amasya, Ankara (Warncke 1974).

Material examined. Ankara: Kızılcahamam-Gerede arası, 40°32'17"N, 32°36'33"E, 1001 m, 17.VI.2006, 1 ♀, leg. C. Çobanoğlu; Antalya: Manavgat, Başlar köyü-Ibradi arası, 37°05'71"N, 31°33'47"E, 1010 m, 21.V.2007, 1 ♂, leg. E. Scheuchl; Balıkesir: Kazdağları, Küçükkuyu-Kırcı yolu, 39°36'01"N, 26°34'51"E, 477 m, 30.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Kırklareli: Çukurpınar, 41°52'65"N, 27°30'78"E, 369 m, 1.VI.2009, 5 ♀♀, 41°51'41"N, 27°29'72"E 409 m, 1.VI.2009, 4 ♀♀, Sarpdere çıkışı mağara yolu, 41°51'92"N, 27°34'93"E, 390 m, 1.VI.2009, 1 ♀, 1 ♂, Sarpdere, Dupnitsa mağarası yolu, 41°50'71"N, 27°33'57"E, 410 m, 1.VI.2009, 1 ♂, leg. B. Gülcü, C. Demirtaş; Mersin: Gülnar, 36°20'84"N, 33°37'58"E, 1010 m, 24.V.2005, 1 ♂, Silifke-Gülnar arası, 36°22'42"N, 33°46'46"E, 740 m, 24.V.2005, 2 ♀♀, leg. S. Hazır; Muğla: Gökova, Akyaka, 37°03'09"N, 28°18'67"E, 0 m, 26.V.2005, 5 ♀♀, 6 ♂♂, leg. S. Hazır.

Andrena limbata Eversmann, 1852
http://species-id.net/wiki/Andrena_limbata

Distribution in Turkey. Çanakkale, Konya (Beyşehir) (Warncke 1966); Ankara, Çanakkale, Erzurum (Horasan), İstanbul, İzmir, Konya (Beyşehir), Mersin (Mut) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Kızılcahamam-Çerkes arası, 40°31'18"N, 32°38'11"E, 1113 m, 17.VI.2006, 3 ♀♀, leg. B. Gülcü, E. Scheuchl; Aydın: Akçaköy-Ödemiş arası, 37°58'21"N, 28°01'04"E, 627 m, 28.V.2006, 1 ♀, leg. E. Scheuchl; Çankırı: Saçakbeli dağ geçiti, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Burdur: Dirimli dağ geçiti, 36°57'57"N, 29°34'53"E, 1581 m, 6.VI.2006, 2 ♀♀, leg. C. Çobanoğlu, E. Scheuchl.

***Andrena polita* Smith, 1847**
http://species-id.net/wiki/Andrena_polita

Synonym: *Andrena polita* ssp. *polita* Smith, 1847

Distribution in Turkey. Hatay, Toros dağları (Warncke 1966); Ardahan, Erzincan (Refahiye, Tanyeri), Erzurum (Oltu), Karaman (Madenşehir), Konya, Nevşehir (Ürgüp), Sinop, Sivas (Gürün) (Warncke 1974); Ardahan, Erzincan (Refahiye), Erzurum (Oltu) (Özbek 1976).

Material examined. Ankara: Emirdağ, 40°09'14"N, 32°38'12"E, 854 m, 17.VI.2006, 2 ♀♀, 1 ♂, Kızılcahamam-Gerede arası, 40°32'17"N, 32°36'33"E, 1001 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Antalya: Korkuteli-Tefenni arası, 37°07'42"N, 30°04'28"E, 1234 m, 8.VI.2006, 3 ♀♀, 4 ♂♂, 37°08'08"N, 30°04'07"E, 1325 m, 8.VI.2006, 2 ♀♀, 14 ♂♂, 37°08'14"N, 30°03'51"E, 1353 m, 8.VI.2006, 3 ♀♀, leg. C. Çobanoğlu, E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, 2 ♂♂, 19.IV.2007, 3 ♀♀, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°27'30"N, 29°19'03"E, 881 m, 5.VI.2007, 1 ♂, leg. E. Scheuchl; Yozgat: Ozan köyü, 39°48'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 1 ♂, leg. A.B. Yasan.

***Andrena toelgiana* Friese, 1921**
http://species-id.net/wiki/Andrena_toelgiana

Distribution in Turkey. Amanos dağları, Balıkesir (Ayvalık) (Warncke 1966); Adana (Ceyhan), Amanos dağları, Antalya (Side), Balıkesir (Ayvalık) (Warncke 1974).

Material examined. Adana: Çukurova Üniversitesi, Balcalı kampüsü, 16.VI.2005, 1 ♀, leg. S. Hazır; Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'30"N, 27°51'07"E, 182 m, 21.IV.2011, 1 ♀, leg. E. Scheuchl.

***Andrena westensis* Warncke, 1965**
http://species-id.net/wiki/Andrena_westensis

Synonym: *Andrena polita* ssp. *westensis* Warncke, 1965

Distribution in Turkey. Ankara, Antalya (Anamur, Finike), Balıkesir (Bigadiç), Manisa (Kayapınar), Mersin (Gülek) (Warncke 1974).

Material examined. Antalya: Ibradi-Akseki arası, 37°03'02"N, 31°43'54"E, 98 m, 21.V.2007, 1 ♂, leg. E. Scheuchl; Aydın: Yılmazköy-Paşayaylası arası, 37°52'49"N, 27°53'57"E, 339 m, 30.IV.2006, 1 ♀, Karacasu, 37°40'16"N, 28°38'49"E 630 m, 24.IV.2007, 1 ♀, 1 ♂, leg. B. Gülcü, S. Hazır.

Subgenus *Proxiandrena* Schmid-Egger, 2005

***Andrena alutacea* Stöckhert, 1942**
http://species-id.net/wiki/Andrena_alutacea

Synonym: *Andrena proxima* sensu Warncke 1974 partim, nec (Kirby 1802)

Distribution in Turkey. Ağrı, Amasya, Erzurum (Horasan), Hakkari, Kars (Karakurt), Konya, Mersin (Mut), Muş, Nevşehir, Sivas (Gürün) (Schmid-Egger 2005).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 29.V.2005, 2 ♀♀, leg. E. Scheuchl, Çamlıdere, 40°32'22"N, 32°30'15"E, 1345 m, 17.VI.2006, 2 ♀♀, leg. E. Scheuchl, Kızılcahamam-Güvem arası, 40°34'05"N, 32°39'23"E, 1070 m, 18.VI.2006, 1 ♀, E. Scheuchl; Aydın: Akçaköy-Ödemiş arası, 37°58'49"N, 28°00'42"E, 711 m, 28.V.2006, 1 ♀, leg. E. Scheuchl; Çankırı: Saçakbeli dağ geçiti, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 7 ♀♀, leg. E. Scheuchl; Konya: Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. E. Scheuchl, Kütahya: Demirci-Simav arası, 39°06'11"N, 28°43'96"E, 1348 m, 4.VI.2007, 1 ♀, leg. E. Scheuchl.

Subgenus *Ptilandrena* Robertson, 1902

***Andrena vetula* Lepeletier, 1841**
http://species-id.net/wiki/Andrena_vetula

Distribution in Turkey. Adana (Karataş), Mersin (Tarsus) (Warncke 1966); Adana (Karataş), Adıyaman (Pınarbaşı), Amasya, Ankara, Erzurum (Narman), Mersin (Gülek, Mut, Namrun, Silifke, Tarsus) (Warncke 1974); Erzurum (Narman, Oltu, Tortum) (Özbek 1976).

Material examined. Adana: Karataş, 22.IV.2005, 3 ♀♀, Misis-Ceyhan arası, 23.IV.2005, 1 ♀, leg. S. Hazır; Ankara: Karakeçili, 39°35'00"N, 33°24'67"E, 760 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl; Çorum: 40°37'10"N, 34°17'80"E, 648 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Gaziantep: Nizip-Gaziantep arası, 15.V.2005, 2 ♀♀, leg. B. Gülcü, A.B. Yasan; Hatay: Yayladağı, 35°55'20"N, 36°02'86"E, 437 m, 16.V.2006, 2 ♀♀, Yayladağı, Gözene 36°03'91"N, 36°34'68"E, 211 m, 16.V.2006, 1 ♀, Yayladağı-Leylekli arası, 35°57'79"N, 36°02'88"E, 628 m, 16.V.2006, 5 ♀♀, leg. C. Çobanoğlu, S. Hazır; Belen-Kırıkhan arası, 36°28'85"N, 36°15'88"E, 625 m, 4.V.2007, 10 ♀♀, Serinyol, 36°22'07"N, 36°11'89"E, 152 m, 4.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Mersin: Esenpınar, 36°35'40"N, 34°07'20"E, 810 m, 23.V.2005, 1 ♀, leg. E. Scheuchl, Limonlu, 36°34'54"N, 34°09'29"E, 590 m, 23.V.2005, 2 ♀♀, leg. E. Scheuchl; Osmaniye: Osmaniye-Gaziantep arası, 15.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Şanlıurfa: Birecik, Mezra kasabası, 15.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan.

Subgenus *Scitandrena* Warncke, 1968

Andrena scita Eversmann, 1852
http://species-id.net/wiki/Andrena_scita

Distribution in Turkey. Aksaray, Ankara, Çanakkale, Bilecik, Denizli (Pamukkale), Kayseri (Erciyes), Konya (Beyşehir), Toros dağları (Warncke 1966); Erzurum (Oltu, Tortum, İspir, Horasan, Hınıs) (Özbek 1976).

Material examined. Aksaray: Tuz Gölü çevresi, 38°44'56"N, 33°39'85"E, 928 m, 5.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 3.VI.2005, 1 ♂, leg. E. Scheuchl, Beypazarı, Boztepe köyü, 9.VI.2005, 1 ♀, Beypazarı, Kargı köyü, 9.VI.2005, 1 ♀, leg. E. Aytekin, Kurtboğazı-Pazar arası, 40°19'36"N, 32°42'12"E, 903 m, 17.VI.2006, 3 ♀♀, 1 ♂, leg. B. Gülcü, E. Scheuchl; Antalya: Korkuteli-Elmalı arası, 36°56'39"N, 30°08'20"E, 1335 m, 7.VI.2006, 1 ♂, leg. E. Scheuchl, Korkuteli-Tefenni arası, 37°08'14"N, 30°03'51"E, 1353 m, 8.VI.2006, 1 ♂, leg. E. Scheuchl; Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg. A.B. Yasan, 19.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır, Ovacık, 38°03'02"N, 28°08'09"E, 1089 m, 24.VI.2008, 2 ♀♀, Uzunlar-Ovacık arası, 37°58'03"N, 28°11'14"E, 912 m, 24.VI.2008, 1 ♀, leg. B. Gülcü, S. Hazır; Balıkesir: Altınoluk, Küçükkuyu Çetmi yolu, 39°34'99"N, 26°36'29"E, 231 m, 30.V.2009, 2 ♂♂, leg. B. Gülcü, C. Demirtaş; Burdur: Gölhisar-Altınyayla arası, 37°05'34"N, 29°31'51"E, 977 m, 6.VI.2006, 1 ♂, Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 2 ♀♀, Tefenni, 37°20'40"N, 29°48'24"E, 1132 m, 8.VI.2006, 1 ♂, leg. C. Çobanoğlu, E. Scheuchl; Çanakkale: Gelibolu yarımadası, Çanakkale şehitlik abidesi yolu, 40°07'49"N, 26°17'75"E, 56 m, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Denizli: 37°56'46"N, 29°06'97"E, 365 m, 28.V.2005, 1 ♀, leg. S. Hazır; Karaman: Başyayla, 36°41'78"N, 32°46'18"E, 1850 m, 24.V.2005, 1 ♀, leg. S. Hazır; Karabük: Yenice, 11.VII.2004, 1 ♀, leg. B. Gülcü, A.B. Yasan; Kırşehir: Mucur, 39°04'01"N, 34°23'10"E, 1015 m, 4.VI.2005, 1 ♂, leg. E. Scheuchl; Kütahya: Dereköy, 39°11'44"N, 29°17'45"E, 868 m, 4.VI.2007, 1 ♂, leg. E. Scheuchl, Emet, 39°20'06"N, 29°18'12"E, 1044 m, 5.VI.2007, 1 ♀, leg. E. Scheuchl; Mersin: Mut-Sertavul arası, 36°47'94"N, 33°20'00"E, 1165 m, 23.V.2007, 3 ♂♂, leg. B. Gülcü; Nevşehir: Gülhisar, 38°43'42"N, 34°41'00"E, 1011 m, 4.VI.2005, 1 ♂, leg. E. Scheuchl;

Subgenus *Simandrena* Pérez, 1890

Andrena combinata (Christ, 1791)
http://species-id.net/wiki/Andrena_combinata

Distribution in Turkey. Toroslar (Warncke 1966).

Material examined. Balıkesir: Kazdağları, Küçükkuyu-Kırcı yolu, 39°36'01"N, 26°34'51"E, 477 m, 30.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Bursa: Uludağ, Soğuk Pınar yolu, 40°03'84"N, 29°07'11"E, 1029 m, 3.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Hatay: Serinyol, 36°23'24"N, 36°11'75"E, 261 m, 4.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Mersin: Limonlu, 36°34'54"N, 34°09'29"E, 590 m, 23.V.2005, 1 ♀, leg. E. Scheuchl; Kırklareli: Sarpdere çıkışı mağara yolu, 41°51'92"N, 27°34'93"E, 390 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş.

***Andrena dorsata* (Kirby, 1802)**
http://species-id.net/wiki/Andrena_dorsata

Distribution in Turkey. Adana, Adapazarı, Eskişehir (Sivrihisar), İstanbul, Konya, Tekirdağ, Toros dağları (Gülek) (Warncke 1966), Afyon (Çay), Ankara (Delice), Hatay (Samandağ) (Warncke 1969); Bingöl, Erzincan, Erzurum (Oltu), Kars (Kağızman), Muş (Özbek 1976).

Material examined. Adana: Göksun-Tufanbeyli arası, 38°14'76"N, 36°18'22"E, 1449 m, 6.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Afyon: Köroğlu dağı geçiti, 38°55'20"N, 30°53'40"E, 1294 m, 23.VI.2006, 1 ♀, leg. B. Gülcü; Amasya: Yeşilöz, 40°33'19"N, 36°08'46"E, 822 m, 17.VI.2005, 1 ♀, 1 ♂, leg. B. Gülcü; Ankara: Kazan, 15.V.2005, 1 ♀, leg. E. Scheuchl, 2 ♀♀, leg. S. Hazır, Beypazarı, 9.VI.2005,1 ♂, Beypazarı, Kargı köyü, 12.VI.2005, 1 ♀, leg. E. Aytekin, Emirdağ, 40°09'14"N, 32°38'12"E, 854 m, 17.VI.2006, 7 ♀♀, Kurtboğazı barajı çevresi, 40°16'28"N, 32°41'19"E, 1014 m, 17.VI.2006, 8 ♀♀, 1 ♂, Kurtboğazı-Pazar arası, 40°19'36"N, 32°42'12"E, 993 m, 17.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 2 ♀♀, leg. E. Scheuchl; Aydın: Kuşadası, Güzelçamlı-Davutlar arası, 15.IV.2005, 1 ♀, leg. S.Hazır; Baltaköy, 37°47'06"N, 27°53'07"E, 38 m, 23.II.2006, 1 ♂, Yenipazar-Bozdoğan arası, Alamut köyü, 37°48'49"N, 28°18'48"E, 61 m, 23.II.2006, 1 ♂, leg. B. Gülcü, S. Hazır; Burdur: Çavdır-Gölhisar arası, 37°08'41"N, 29°33'13"E, 956 m, 6.VI.2006, 3 ♀♀, leg. C. Çobanoğlu; Çorum: 40°37'10"N, 34°17'80"E, 648 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Denizli: 37°40'27"N, 29°13'32"E, 987 m, 5.VI.2006, 2 ♀♀, leg. C. Çobanoğlu, B. Gülcü; Hatay: Kırıkhan-Belen arası, 36°27'23"N, 36°18'70"E, 90 m, 17.V.2006, 1 ♀, leg. B. Gülcü, C. Hazır; Isparta: Gelendost, 38°04'08"N, 30°58'70"E, 940 m, 25.V.2005, 1 ♀, leg. E. Scheuchl; Kahramanmaraş: Kahramanmaraş-Türkoğlu arası, 37°29'08"N, 36°53'67"E, 460 m, 18.V.2006, 1 ♀, leg. C. Çobanoğlu, S. Hazır; Karabük: Bartın-Safranbolu arası, 41°26'54"N, 32°44'52"E, 364 m, 10.VII.2005, 2 ♂♂, leg. B. Gülcü; Kastamonu: Kastamonu-Ilgaz arası, 41°07'04"N, 33°45'14"E, 1274 m, 11.VII.2005, 1 ♀, leg. B. Gülcü; Kırıkkale: 39°55'25"N, 33°59'05"E, 822 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan; Kırşehir: 39°19 43 N, 34°13 17 E, 1150 m, 4.VI.2005, 1 ♂, leg. E. Scheuchl; Konya: Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 1 ♂, leg. E. Scheuchl; Mersin: Mut çevresi, 21.V.2005, 2 ♂♂, leg. E. Scheuchl; Samsun: Samsun-Ankara arası, 41°05'24"N, 36°05'04"E, 728 m, 3.VII.2006, 1 ♀, leg. E. Scheuchl.

***Andrena lepida* Schenck, 1859**
http://species-id.net/wiki/Andrena_lepida

Synonym: *Andrena lepida* ssp. *eleonorae* Warncke, 1967

Distribution in Turkey. Ankara, Balıkesir (Ayvalık), Eskişehir, Konya (Warncke 1966); Erzurum (Özbek 1976).

Material examined. Adana: Pozantı otoban çevresi, 25.IV.2004, 4 ♀♀, leg. C. Çobanoğlu; Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 11.V.2005, 1 ♀, 21.IV.2006, 1 ♀, leg. C. Çobanoğlu, 11.V.2005, 1 ♀, leg. E. Scheuchl, Kazan, 15.V.2005, 1 ♀, leg. S. Hazır, Beypazarı, Boztepe, 9.VI.2005, 1 ♀, leg. E. Aytekin, Kurtboğazı-Pazar arası, 40°19'36"N, 32°42'12"E, 993 m, 17.VI.2006, 1 ♀, Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀ leg. B. Gülcü, E. Scheuchl; Antalya: Taşağıl, Beydiğin köyü, 37°00'55"N, 31°22'74"E, 250 m, 20.V.2007, 4 ♀♀, Başlar köyü, 37°07'95"N, 31°28'36"E, 952 m, 21.V.2007, 1 ♂, leg. C. Çobanoğlu; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Burdur: Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, leg. E. Scheuchl; Karamanlı-Yeşilova arası, 37°29'01"N, 29°46'37"E, 1239 m, 8.VI.2006, 3 ♀♀, leg. E. Scheuchl, Çorum: Bayat, 40°40'06"N, 34°27'19"E, 715 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Denizli: Serinhisar-Acıpayam arası, 37°29'31"N, 29°19'03"E, 879 m, 12.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü; Kahramanmaraş: Kahramanmaraş-Türkoğlu arası, 37°29'08"N, 36°53'67"E, 460 m, 18.V.2006, 3 ♀♀, leg. C. Çobanoğlu, S. Hazır; Karaman: Başyayla, 36°41'78"N, 32°46'18"E, 1850 m, 24.V.2005, 1 ♀, leg. S. Hazır; Kastamonu: Tosya-İskilip arası, 40°58'43"N, 34°11'23"E, 1171 m, 19.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Kırıkkale: 39°55'25"N, 33°59'05"E, 1165 m, 18.VI.2005, 4 ♀♀, leg. A.B. Yasan; Kırşehir: Karakaya köyü, 39°26'34"N, 33°38'24"E, 971 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl; Konya: Eskil-Aksaray arası, 37°42'74"N, 33°05'85"E, 920 m, 19.V.2005, 1 ♀, leg. E. Scheuchl; Mersin: Gülnar, 36°20'40"N, 33°28'77"E, 1140 m, 24.V.2005, 1 ♀, leg. E. Scheuchl; Yozgat: Ozan köyü, 39°48'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 1 ♀, Saray, 39°41'26"N, 35°38'65"E, 1165 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

***Andrena melba* Warncke, 1965**
http://species-id.net/wiki/Andrena_melba

Distribution in Turkey. Ağrı (Ararat), Erzurum (Horasan) (Warncke 1974); Ağrı, Erzurum (Horasan), Kars (Karakurt) (Özbek 1976).

Material examined. Antalya: Başlar köyü, 37°07'95"N, 31°28'36"E, 952 m, 21.V.2007, 1 ♀, leg. C. Çobanoğlu; Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg. B. Gülcü, S. Hazır.

Andrena nucleola **Warncke, 1973**
http://species-id.net/wiki/Andrena_nucleola

Distribution in Turkey. Amasya, Erzurum (Oltu, Tortum) (Warncke 1974); Erzurum (Oltu, Tortum) (Özbek 1976).

Material examined. Ankara: Kazan, 14.V.2005, 1 ♀, leg. S. Hazır, 2 ♀♀, leg. E. Scheuchl, Hacettepe Üniversitesi Beytepe kampüsü, 21.IV.2006, 1 ♀, leg. C. Çobanoğlu; Kastamonu: Türbe dağı geçiti, 40°56'14"N, 34°12'33"E, 1625 m, 19.VI.2006, 1 ♀, leg. E. Scheuchl.

Andrena propinqua **Schenck, 1853**
http://species-id.net/wiki/Andrena_propinqua

Distribution in Turkey. No record

Material examined. Aydın: Çine çayı çevresi, 16.IV.2005, 1 ♀, leg. S. Hazır.

Andrena transitoria **Morawitz, 1871**
http://species-id.net/wiki/Andrena_transitoria

Distribution in Turkey. Ankara, Elazığ, Eskişehir, Hatay, Konya (Beyşehir), Nevşehir (Ürgüp) (Warncke 1966); Erzurum (Tortum), Kars (Kağızman) (Özbek 1976).

Material examined. Aksaray: Tuz gölü çevresi, 38°49'80"N, 33°35'71"E, 930 m, 5.VI.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 3.VI.2005, 1 ♀, 28.IV.2006, 1 ♀, leg. C. Çobanoğlu, Beypazarı, 9.VI.2005, 1 ♀, leg. E. Aytekin; Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 1 ♂, leg. E. Scheuchl; Bolu: Seben, 10.VII.2004, 1 ♀, leg. S. Hazır; Burdur: Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°14'58"N, 37°15'56"E, 849 m, 5.V.2007, 1 ♀, leg. B. Gülcü, C.Hazır; Isparta: Gelendost, 38°06'82"N, 31°01'45"E, 960 m, 25.V.2005, 1 ♀, leg. S. Hazır; Kırşehir: 39°19'43"N, 34°13'17"E, 1147 m, 4.VI.2005, 1 ♂, Kaman, 39°22'16"N, 33°47'71"E, 1057 m, 4.VI.2005, 1 ♂, leg. B. Gülcü, S. Hazır; Konya: Bozkır-Seydişehir arası, 37°15'92"N, 32°07'86"E, 1170 m, 25.V.2005, 2 ♀♀, Seydişehir, 37°23'45"N, 32°02'19"E, 1090 m, 25.V.2005, 1 ♀, leg. S. Hazır, Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 2 ♀♀, leg. B. Gülcü, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır, Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü; Kütahya: Emet-Tavşanlı arası, 39°23'66"N, 29°21'27"E, 1172 m, 5.VI.2007, 2 ♀♀, Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♂, leg. C. Hazır, S. Hazır; Nevşehir: Mucur-Nevşehir arası, 38°58'59"N, 34°32'76"E, 1149 m, 4.VI.2005, 7 ♂♂, leg. B. Gülcü, S. Hazır.

Subgenus *Thysandrena* Lanham, 1949

***Andrena albiscopa* Warncke, 1967**
http://species-id.net/wiki/Andrena_albiscopa

Synonym: *Andrena numida* ssp. *albiscopa* Warncke, 1967

Distribution in Turkey. Ağrı (Ararat), Amasya, Ankara (Şereflikoçhisar), Erzurum (Horasan), Eskişehir (Sivrihisar), Hatay (Antakya), Kayseri (Sultanhanı, Yeşilhisar), Konya (Kulu, Sarayönü), Kütahya, Mersin (Sertavul), Nevşehir, Samsun (Vezirköprü), Şanlıurfa, Tokat (Niksar) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Aksaray: 38°28'97"N, 33°53'30"E, 975 m, 5.VI.2005, 1 ♀, leg. E. Scheuchl; Çorum: 40°37'10"N, 34°17'80"E, 648 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Konya: Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 1 ♀, leg. E. Scheuch.

***Andrena ranunculorum* Morawitz, 1877**
http://species-id.net/wiki/Andrena_ranunculorum

Distribution in Turkey. Ankara, Çorum (İskilip), Erzurum (Horasan, İspir, Kandilli, Oltu, Tortum), Eskişehir (Sivrihisar), Kayseri (Yeşilhisar), Konya (Sarayönü), Niğde (Ulukışla), Mersin (Sertavul), Trabzon (Soğanlı geçiti) (Warncke 1974); Erzurum (Horasan, İspir, Kandilli, Oltu, Tortum) (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 11.V.2005, 2 ♂♂, 29.V.2005, 1 ♀, leg. E. Scheuchl, Burdur: Altınyayla, Dirimli dağ geçiti, 36°57'57"N, 29°34'53"E, 1581 m, 6.VI.2006, 1 ♀, leg. E. Scheuchl; Kütahya: Demirci-Simav arası, 39°06'11"N, 28°43'96"E, 1348 m, 4.VI.2007, 2 ♀♀, leg. E. Scheuchl; Manisa: Demirci, 39°04'48"N, 28°43'36"E, 1260 m, 4.VI.2007, 1 ♀, leg. E. Scheuchl; Sivas: Karakaya köyü, 39°49'07"N, 36°17'21"E, 1222 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan; Yozgat: 39°40'86"N, 35°45'89"E, 1254 m, 18.VI.2005, 2 ♀♀, leg. B. Gülcü, S. Hazır.

Subgenus *Trachandrena* Robertson, 1902

***Andrena haemorrhoa* (Fabricius, 1781)**
http://species-id.net/wiki/Andrena_haemorrhoa

Distribution in Turkey. Antalya (Akseki), İstanbul (Belgrad ormanı), Erzurum (Horasan), Kütahya, Samsun (Çarşamba), Tekirdağ (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Aydın: Umurlu, Serçeköy köyü, 37°49'59"N, 27°55'50"E, 30 m, 13.III.2010, 1 ♀, leg. E. Scheuchl.

Subgenus *Truncandrena* Warncke, 1968

Andrena asiatica Friese, 1921
http://species-id.net/wiki/Andrena_asiatica

Distribution in Turkey. Ağrı dağı, Amanos dağları (Warncke 1966); Amanos dağları, Balıkesir (Sındırgı-Karaköy), Erzurum (Horasan), Manisa (Akhisar) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Aydın: Beyköy-Ödemiş arası, 37°56'51"N, 28°01'30"E, 457 m, 28.V.2006, 1 ♀, leg. B. Gülcü, S. Hazır, Paşayaylası, 37°54'10"N, 27°54'00"E, 696 m, 3.VI.2006, 1 ♀, 37°55'47"N, 27°53'44"E, 1151 m, 3.VI.2006, 4 ♀♀, 1 ♂, leg. B. Gülcü, E. Scheuchl, Karacasu, 37°32'19"N, 28°31'15"E, 349 m, 24.IV.2007, 9 ♀♀, 4 ♂♂, leg. B. Gülcü, S. Hazır, Madran dağı, 17.V.2007, 1 ♀, leg. B. Gülcü; İzmir: Ödemiş-Bozdağ arası, 38°17'45"N, 28°03'56"E, 1018 m, 28.V.2006, 1 ♀, leg. B. Gülcü, S. Hazır; Manisa: Spil dağı milli parkı, 38°32'08"N, 27°27'03"E, 972 m, 3.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Kütahya: Simav-Saphane arası, 39°03'06"N, 29°06'02"E, 966 m, 4.VI.2007, 1 ♂, leg. E. Scheuchl.

Andrena bassana ssp. *etesiaca* Warncke, 1975

Distribution in Turkey. Amasya, Ankara (Gölbaşı), Kayseri (Sultanhanı) (Warncke 1974).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 3.VI.2005, 1 ♀, leg. E. Scheuchl.

Andrena caneae Strand, 1915
http://species-id.net/wiki/Andrena_caneae

Distribution in Turkey. Adıyaman (Pınarbaşı), Antalya, İstanbul (Prens adaları) (Warncke 1974).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 3.III.2010, 1 ♀, 7.III.2010, 1 ♀, 13.III.2010, 1 ♀, 14.III.2010, 2 ♀♀,15.III.2010, 1 ♀, 21.IV.2011, 1 ♀, leg. E. Scheuchl.

Andrena combusta Morawitz, 1876
http://species-id.net/wiki/Andrena_combusta

Synonym: *Andrena oulskii* ssp. *oulskii* sensu Warncke 1974, nec Radoszkowski 1867.

Distribution in Turkey. Ağrı (Ararat), Kayseri (Yeşilhisar) (Warncke 1974); Erzurum (Oltu), Iğdır (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 17.V.2005, 1 ♀, leg. E. Scheuchl, 3.VI.2005, 1 ♀, leg. C. Çobanoğlu, Kazan, 14.V.2005, 1 ♀, leg. E. Scheuchl; Mersin: Silifke-Mut arası, 36°25'09"N, 33°47'52"E, 70 m, 21.V.2005, 4 ♀♀, 1 ♂, leg. S. Hazır.

***Andrena delphiensis* Warncke, 1965**
http://species-id.net/wiki/Andrena_delphiensis

Distribution in Turkey. Denizli (Hazir et al. 2012).

Material examined. Denizli: 37°50'01"N, 29°02'51"E, 345 m, 12.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü.

***Andrena medeninensis* ssp. *usura* Warncke, 1967**

Distribution in Turkey. Antalya (Akseki), Balıkesir (Ayvalık, Bigadiç), Çorum (İskilip), Malatya, Mersin (Gülek) (Warncke 1974); Malatya (Özbek 1976).

Material examined. Aydın: Karacasu, 37°34'10"N, 28°39'48"E, 806 m, 24.IV.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Burdur: Dağarcık, göl kenarı, 37°31'13"N, 30°33'31"E, 840 m, 26.IV.2011, 1 ♀, leg. E. Scheuchl; Denizli: Serinhisar yakını, dağkenarı, 37°36'55"N, 29°16'14"E, 1030 m, 25.IV.2011, 1 ♀, 1 ♂, leg. E. Scheuchl; Niğde: Ulukışla, 37°32'82"N, 34°31'40"E, 1389 m, 19.V.2006, 4 ♀♀, leg. C. Çobanoğlu, S. Hazır.

***Andrena noacki* Alfken, 1935**
http://species-id.net/wiki/Andrena_noacki

Synonym: *Andrena oulskii* ssp. *noacki* Alfken, 1935

Distribution in Turkey. Ankara (Şereflikoçhisar), Erzurum (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 29.V.2005, 1 ♀, 1 ♂, leg. E. Scheuchl; Denizli: 37°50'01"N, 25°02'51"E, 345 m, 12.IV.2006, 2 ♂♂, leg. C. Çobanoğlu, B. Gülcü; Nevşehir: 38°32'49"N, 34°28'27"E, 1270 m, 5.VI.2005, 1 ♀, leg. E. Scheuchl.

***Andrena optata* Warncke, 1975**
http://species-id.net/wiki/Andrena_optata

Synonym: *Andrena rufomaculata* ssp. *optata* Warncke, 1975

Distribution in Turkey. Antalya (Serik, Side), Aydın (Kuşadası), Balıkesir (Ayvalık), Bursa, Denizli (Acıgöl), İstanbul (Üsküdar), İzmir (Selçuk), Konya, Manisa (Kayapınar) (Warncke 1974).

Material examined. Antalya: Kemer, 36°35'14"N, 30°32'32"E, 30 m, 13.IV.2006, 1 ♀, 1 ♂, Manavgat-Alanya arası, 36°44'57"N, 31°30'31"E, 6 m, 13.IV.2006, 1 ♀, Akseki, 36°43'51"N, 31°34'34"E, 8 m, 14.IV.2006, 2 ♀♀, Akseki, Gençler köyü, 36°47'23"N, 31°42'53"E, 269 m, 14.IV.2006, 1 ♀, Hacıobası-Akseki arası, 36°44'01"N, 31°36'10"E, 17 m, 14.IV.2006, 9 ♀♀, 1 ♂, Taşağıl-Beşkonak arası, 36°56'53"N, 31°13'00"E, 68 m, 14.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü; Aydın: Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 20.IV.2005, 1 ♀, leg. B. Gülcü, 17.III.2006, 2 ♂♂, 31.III.2006, 1 ♂, leg. B. Gülcü, S. Aydın, Söke, 37°40'40"N, 27°20'55"E, 20 m, 10.IV.2006, 1 ♀, 1 ♂, Kuşadası, Dilek yarımadası milli parkı, 37°41'56"N, 27°09'55"E, 0 m, 10.IV.2006, 4 ♀♀, leg. C. Çobanoğlu, B. Gülcü, Karacasu, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Manisa: Spil dağı, 38°34'21"N, 27°24'00"E, 972 m, 23.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

***Andrena paramythensis* Mavromoustakis, 1957**
http://species-id.net/wiki/Andrena_paramythensis

Synonym: *Andrena rufomaculata* ssp. *paramythensis* Mavromoustakis, 1957

Distribution in Turkey. No record.

Material examined. Osmaniye: Osmaniye-Gaziantep arası, 13.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan.

***Andrena roseotincta* Warncke, 1975**
http://species-id.net/wiki/Andrena_roseotincta

Synonym: *Andrena oulskii* ssp. *roseotincta* Warncke, 1975

Distribution in Turkey. Şanlıurfa (Birecik) (Warncke 1974).

Material examined. Aksaray: Zengen, 1.V.2004, 1 ♀, leg. S. Hazır; Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 2 ♀♀, 1 ♂, leg. E. Scheuchl; Gaziantep: Gaziantep-Şanlıurfa arası, 13.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Şanlıurfa: Birecik, 15.V.2005, 3 ♀♀, Mezra kasabası, 15.V.2005, 2 ♀♀, leg. B. Gülcü, A.B. Yasan.

***Andrena rotundilabris* Morawitz, 1877**
http://species-id.net/wiki/Andrena_rotundilabris

Distribution in Turkey. Adana (Warncke 1966); Adana, Erzurum (Horasan), Hakkari (Zapsuyu), İstanbul, Kayseri (Pınarbaşı), Mersin (Gözne, Gülek, Sertavul), Niğde (Çiftehan), Sivas (Gürün) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Kızılcahamam-Çerkes arası, 40°31'18"N, 32°38'11"E, 1113 m, 18.VI.2006, 1 ♀, leg. E. Scheuchl; Bursa: Uludağ, Soğuk Pınar-Keleş yolu, 40°01'74"N, 29°07'44"E, 798 m, 3.VI.2009, 2 ♂♂, leg. B. Gülcü, C. Demirtaş; Mersin: Şahmurlu köyü, 36°38'58"N, 34°01'23"E, 970 m, 23.V.2005, 1 ♀, 2 ♂♂, leg. E. Scheuchl.

***Andrena rufomaculata* Friese, 1921**
http://species-id.net/wiki/Andrena_rufomaculata

Synonym: *Andrena rufomaculata* ssp. *rufomaculata* Friese, 1921

Distribution in Turkey. Amanos dağları (Warncke 1966, 1974).

Material examined. Hatay: Belen-Kırıkhan arası, 36°28'85"N, 36°15'88"E, 625 m, 4.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır.

***Andrena schmiedeknechti* Magretti, 1883**
http://species-id.net/wiki/Andrena_schmiedeknechti

Distribution in Turkey. Adapazarı, Balıkesir (Ayvalık, Bigadiç) (Warncke 1966); Adapazarı, Balıkesir (Ayvalık, Bigadiç), Bursa (Mustafakemalpaşa), Erzurum (Horasan), İzmir (Selçuk), Karaman (Madenşehir), Kars (Sarıkamış), Kayseri (Yeşilhisar), Konya, Manisa, Nevşehir (Ürgüp), Niğde (Ulukışla) (Warncke 1974); Erzurum (Horasan), Kars (Sarıkamış) (Özbek 1976).

Material examined. Ankara: Gölbaşı, 39°31'10"N, 32°52'02"E, 19.V.2005, 1 ♀, leg. S. Hazır, Hacettepe Üniversitesi Beytepe kampüsü, 3.VI.2005, 1 ♀, 21.IV.2006, 1 ♀, 1 ♂, 28.IV.2006, 2 ♀, leg. C. Çobanoğlu; Antalya: Korkuteli civarı, ormanlık alan, 36°59'00"N, 30°09'07"E, 1170 m, 26.IV.2011, 1 ♂, leg. E. Scheuchl; Aydın: Söke, 37°40'40"N, 27°20'55"E, 20 m, 10.IV.2006, 1 ♀, 37°41'47"N, 27°21'58"E, 13 m, 10.IV.2006, 1 ♀, Bafa Gölü çevresi, 37°28'58"N, 27°24'12"E, 9 m, 11.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Karacasu, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 1 ♀, 3 ♂♂, leg. B. Gülcü, S. Hazır; Konya: Eskil-Aksaray arası, 37°42'74"N, 33°05'85"E, 920 m, 19.V.2005, 1 ♂, leg. E. Scheuchl, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. E. Scheuchl; Mersin: Sertavul-Mut arası, 36°48'36"N, 33°19'48"E, 1270 m, 21.V.2005, 1 ♂, leg. S. Hazır.

***Andrena seitzi* Alfken, 1935**
http://species-id.net/wiki/Andrena_seitzi

Synonym: *Andrena citrinella* Warncke, 1967

Distribution in Turkey. Ankara (Warncke 1966); Ankara, Diyarbakır, Konya (Warncke 1974).

Material examined. Adana: Pozantı, 25.IV.2004, 1♀, leg. S. Hazır.

***Andrena truncatilabris* Morawitz, 1877**
http://species-id.net/wiki/Andrena_truncatilabris

Distribution in Turkey. Adana, Adapazarı, Amanos dağları, Ankara, Balıkesir (Ayvalık), Konya, Mersin (Tarsus) (Warncke 1966); All parts of the country (Warncke 1974); Erzurum (Tortum, Oltu, Narman, İspir, Horasan), Kars, Muş (Özbek 1976).

Material examined. Adana: Ceyhan, 23.IV.2005, 3 ♀♀, leg. S. Hazır; Aksaray: Tuz Gölü çevresi, 38°49'80"N, 33°35'71"E, 930 m, 5.VI.2005, 2 ♀♀, 38°28'97"N, 33°53'30"E, 973 m, 5.VI.2005, 1 ♀, 1 ♂, leg. S. Hazır, B. Gülcü; Amasya: Mecidözü, 40°32'44"N, 35°20'85"E, 757 m, 17.VI.2005, 1 ♀, leg. B. Gülcü; Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 3.VI.2005, 17 ♀♀, 3.VI.2006, 1 ♂, 21.IV.2006, 1♀, 1 ♂, leg. C. Çobanoğlu, Beypazarı, 9.VI.2005, 3 ♀♀, Beypazarı, Kargı köyü, 12.VI.2005, 1 ♀, leg. E. Aytekin, Kazan, 15.V.2005, 1 ♂, leg. E. Scheuchl, Eryaman 5. Etap, 9.V.2007, 2 ♀♀, leg. S. Hazır; Antalya: Bozova, 37°12'02"N, 30°15'58"E, 935 m, 26.IV.2011, 1 ♂, leg. E. Scheuchl; Aydın: Söke, Güllübahçe, 37°40'40"N, 27°20'55"E, 20 m, 10.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, leg. S. Hazır, B. Gülcü, Karacasu, 37°33'21"N, 28°37'45"E, 554 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Balıkesir: Altınoluk, Küçükkuyu-Çetmi yolu, 39°34'99"N, 26°36'29"E, 231 m, 30.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Burdur: Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 3 ♀♀, leg. C. Çobanoğlu, E. Scheuchl; Çanakkale: Bayramlı, Himidiye yaylası yolu, 40°08'74"N, 26°17'60"E, 197 m, 31.V.2009, 2 ♀♀, leg. B. Gülcü, C. Demirtaş; Çorum: 40°34'47"N, 34°38'73"E, 646 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan, Bayat, 40°40'06"N, 34°27'19"E, 715 m, 17.VI.2005, 1 ♀, leg. S. Hazır, B. Gülcü; Gaziantep: Gaziantep-Şanlıurfa arası, 13.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Hatay: Yayladağı, 36°01'35"N, 36°02'36"E, 490 m, 16.V.2006, 2 ♀♀, Kırıkhan-Belen arası, 36°27'23"N, 36°18'70"E, 90 m, 17.V.2006, 1 ♀, leg. S. Hazır, C. Çobanoğlu, Belen-Kırıkhan arası, 36°28'85"N, 36°15'88"E, 625 m, 4.V.2007, 1 ♀, leg. C. Hazır, B. Gülcü; Isparta: Gelendost, 38°04'08"N, 30°58'70"E, 937 m, 25.V.2005, 1 ♀, 1 ♂, 38°06'82"N, 31°01'45"E, 960 m, 25.V.2005, 1 ♂, leg. S. Hazır; Kahramanmaraş: Balkayası: 37°19'82"N, 37°09'88"E, 693 m, 18.V.2006, 1 ♀, leg. S. Hazır, C. Çobanoğlu; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Kırşehir: Karakaya

köyü, 39°26'34"N, 33°38'24"E, 971 m, 4.VI.2005, 5 ♀♀, leg. S. Hazır, B. Gülcü; Konya: Kulu, 38°54'98"N, 32°59'56"E, 1140 m, 19.V.2005, 1 ♂, leg. S. Hazır, Seydişehir-Bozkır arası, 37°23'56"N, 32°01'06"E, 1097 m, 21.V.2007, 3 ♀♀, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°20'16"N, 29°18'22"E, 1047 m, 5.VI.2007, 4 ♀♀, leg. C. Hazır, S. Hazır; Muğla: Milas-Yatağan arası, Tuzabat çevresi, 37°18'46"N, 27°59'88"E, 675 m, 27.V.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Mersin: Sarıkaya-Sarıkavak arası, 37°05'80"N, 34°42'40"E, 920 m, 22.V.2005, 5 ♂♂, Gülnar-Ermenek arası, 36°21'38"N, 33°18'84"E, 1070 m, 24.V.2005, 1 ♂, leg. S. Hazır; Nevşehir: 38°32'49"N, 34°28'27"E, 1270 m, 5.VI.2005, 1 ♀, leg. E. Scheuchl; Sivas: Karakaya köyü, 39°49'07"N, 36°17'21"E, 1222 m, 18.VI.2005, 1 ♀, Yıldızeli, 39°53'26"N, 36°34'28"E, 1380 m, 18.VI.2005, 3 ♀♀, 1 ♂, A.B. Yasan; Yozgat: 39°40'86"N, 35°45'89"E, 1254 m, 18.VI.2005, 3 ♀♀, leg. S. Hazır, B. Gülcü; Ozan köyü, 39°48'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 1 ♀, Saray, 39°41'26"N, 35°38'65"E, 1165 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

Andrena tscheki Morawitz, 1872
http://species-id.net/wiki/Andrena_tscheki

Synonym: *Andrena tscheki* ssp. *tritica* Warncke, 1965

Distribution in Turkey. Elma Dağı, Karaman (Göktepe), Bulgar Dağ (Bolkar dağı) (Warncke 1974).

Material examined. Aydın: Çine, Çine Çayı, Söğütçük kuzeyi, 37°28'08"N, 28°09'33"E, 236 m, 12.III.2010, 1 ♀, leg. E. Scheuchl.

Andrena ulula Warncke, 1969
http://species-id.net/wiki/Andrena_ulula

Distribution in Turkey. Diyarbakır, Karaman (Madenşehir), Konya (Beyşehir) (Warncke 1974).

Material examined. Ankara: Haymana, 39°20'77"N, 32°45'58"E, 1095 m, 5.VI.2005, 1 ♀, leg. E. Scheuchl; Bursa: Uludağ, Soğuk Pınar-Keleş yolu, 40°01'74"N, 29°07'44"E, 798 m, 3.VI.2009, 1 ♂, leg. B. Gülcü, C. Demirtaş; Konya: Görmeli, 36°31'47"N, 33°59'62"E, 1400 m, 24.V.2005, 2 ♀♀, Bozkır-Seydişehir arası, 37°15'92"N, 32°07'86"E, 1170 m, 25.V.2005, 9 ♀♀, Seydişehir çevresi, 37°23'45"N, 32°02'18"E, 1090 m, 25.V.2005, 1 ♀, leg. S. Hazır, Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 1 ♀, 2 ♂♂, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°23'66"N, 29°21'27"E, 1172 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Manisa: Akhisar-Soma arası, 38°58'45"N, 27°47'36"E, 111 m, 23.IV.2007, 7 ♀♀, leg. B. Gülcü, C. Hazır.

Andrena urfanella **Scheuchl & Hazir, 2012**
http://species-id.net/wiki/Andrena_urfanella

Distribution in Turkey. Ankara, Aksaray, Diyarbakır, Hatay (Altınözü), Gaziantep, Kahramanmaraş, Konya (Beyşehir), Kilis, Mersin, Mardin (Derik), Şanlıurfa (Ceylanpınar, Harran) (Scheuchl and Hazir 2012).

Material examined. Ankara: Hacettepe Üniversitesi, Beytepe kampüsü, 39°51'49"N, 32°45'06"E, 11.V.2005, 1 ♂, 15.V.2005, 1 ♂, 18.V.2005, 1 ♀, 1 ♂, 3.VI.2005, 1 ♂, leg. E. Scheuchl, Aksaray: 38°38'22"N, 33°44'30"E, 929 m, 5.VI.2005, 1 ♀, leg. S. Hazır, B. Gülcü, 38°38'22"N, 33°44'31"E, 930 m, 5.VI.2005, 1 ♀, leg. E. Scheuchl; Diyarbakır: Şanlıurfa-Karacadağ arası, 37°49'32"N, 39°38'06"E, 14.V.2005, 3 ♀♀, leg. B. Gülcü, A.B. Yasan; Gaziantep: Gaziantep-Şanlıurfa arası, 13.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Hatay: Altınözü, 36°06'57"N, 36°16'27"E, 204 m, 17.V.2006, 2 ♀♀, leg. S. Hazır, C.Çobanoğlu; Kahramanmaraş: 37°20'93"N, 37°08'98"E, 601 m, 18.V.2006, 1 ♀, leg. S. Hazır, C.Çobanoğlu; Konya: Beyşehir, 37°51'36"N, 31°36'19"E, 1140 m, 25.V.2005, 3 ♀♀, leg. S. Hazır, 2 ♀♀, leg. E. Scheuchl; Mersin: Gülnar-Ermenek arası, 36°21'38"N, 33°18'84"E, 1075 m, 24.V.2005, 2 ♀♀, leg. S. Hazır; Şanlıurfa: Siverek-Viranşehir arası, 37°44'38"N, 39°18'64"E, 835 m, 14.V.2005, 10 ♀♀, leg. B. Gülcü, A.B. Yasan.

Subgenus *Ulandrena* Warncke, 1968

Andrena cantiaca **Warncke, 1975**
http://species-id.net/wiki/Andrena_cantiaca

Distribution in Turkey. Erzurum (Horasan), Konya, Mersin (Sertavul), Nevşehir, Niğde (Ulukışla), Şalıurfa (Birecik) (Warncke 1974); Erzurum (Horasan) (Özbek 1976); Niğde (Ulukışla) (Blank and Kraus 1994).

Material examined. Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 5.V.2004, 1 ♀, leg. A. Korkmaz; Aydın: Kuşadası, Dilek yarımadası milli parkı, İçmeler koyu, 15.IV.2005, 1 ♀, Orhaneli-Bahçearası arası, 16.IV.2005, 1 ♀, leg. S. Hazır, 31-03-2006 Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 31.III.2006, 1 ♀, 6 ♂♂, 4.IV.2006, 2 ♀♀, leg. B. Gülcü, S. Aydın, Kuşadası, Ağaçlı-Davutlar arası, 37°44'00"N, 27°19'17"E, 187 m, 10.IV.2006, 1 ♂, Dilek yarımadası milli parkı, 37°41'56"N, 27°09'55"E, 0 m, 10.IV.2006, 1 ♀, Bafa gölü çevresi, 37°29'46"N, 27°32'21"E, 11 m, 11.IV.2006, 1 ♀, leg. B. Gülcü, C. Çobanoğlu, Aytepe, Adnan Menderes Üniversitesi kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 1 ♀, Atça, 37°52'40"N, 28°13'52"E, 52 m, 22.IV.2007, 7 ♀♀, 2 ♂♂, Karacasu, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Karaman: Başyayla-Ermenek arası, 36°40'02"N, 32°37'60"E, 1558 m, 22.V.2007, 2 ♂♂, Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Konya: Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 1 ♂, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

***Andrena combaella* Warncke, 1966**
http://species-id.net/wiki/Andrena_combaella

Distribution in Turkey. Erzurum (Horasan), Konya (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Ankara: Peçenek-Çamlıdere arası, 40°27'21"N, 32°25'21"E, 1144 m, 17.VI.2006, 1 ♀, leg. E. Scheuchl; Çankırı: Saçakbeli dağ geçidi, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 1 ♀, 1 ♂, leg. B. Gülcü, E. Scheuchl.

***Andrena crecca* Warncke, 1965**
http://species-id.net/wiki/Andrena_crecca

Synonym: *Andrena concinna* ssp. *crecca* Warncke, 1965

Distribution in Turkey. Amasya, Ankara, Bursa (Uludağ), Erzincan (Tanyeri), Erzurum (Horasan), İzmir, Konya (Beyşehir), Niğde (Ulukışla) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Afyon: Köroğlu dağ geçidi, 38°55'20"N, 30°53'40"E, 1294 m, 23.VI.2006, 1 ♀, leg. S. Hazır, B. Gülcü; Aksaray: Sivrihisar dağ geçidi, 38°14'36"N, 34°25'35"E, 1706 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Amasya: Mahmutlar köyü, 17.VI.2005, 1 ♂, leg. B. Gülcü; Ankara: Haymana, 39°22'72"N, 32°49'19"E, 1051 m, 5.VI.2005, 1 ♀, leg. S. Hazır, Hacettepe Üniversitesi Beytepe kampüsü, 16.VI.2006, 1 ♂, leg. E. Scheuchl; Bolu: Seben, 12.VII.2004, 1 ♀, leg. S. Hazır; Burdur: Dirimli dağ geçiti, 36°55'56"N, 29°38'39"E, 1350 m, 6.VI.2006, 1 ♂, leg. E. Scheuchl; Çankırı: Saçakbeli dağ geçidi, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 2 ♀♀, 1 ♂, leg. E. Scheuchl, Şabanözü-Çankırı arası, 40°30'23"N, 33°24'54"E, 1487 m, 18.VI.2006, 2 ♂♂, leg. E. Scheuchl; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 2 ♂♂, leg. B. Gülcü, S. Hazır; Kütahya: Tavşanlı-Ermenek arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 2 ♀♀, leg. C. Hazır, S. Hazır, Tavşanlı-Harmancık arası, 5.VI.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Niğde: Gölcük-Çiftlik arası, 38°14'24"N, 34°34'05"E, 1572 m, 20.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl.

***Andrena elegans* Giraud, 1863**
http://species-id.net/wiki/Andrena_elegans

Distribution in Turkey. Ankara (Beynam), Erzincan (Tanyeri), Erzurum (Oltu) (Warncke 1974); Erzurum (Oltu) (Özbek 1976).

Material examined. Amasya: Mahmutlar köyü, 17.VI.2005, 4 ♀♀, 2 ♂♂, leg. B. Gülcü, A.B. Yasan; Ankara: Akyurt, 40°08'11"N, 38°11'95"E, 1329 m, 16.VI.2005, 1 ♀, leg. A.B. Yasan; Antalya: Elmalı, 36°46'08"N, 29°59'05"E, 1181 m, 7.VI.2006, 2 ♀♀, 1 ♂, leg. B. Gülcü, A.B. Yasan, Gökova-Korkuteli arası, 36°48'31"N, 29°00'50"E, 1143 m, 7.VI.2006, 1 ♀, leg. C. Çobanoğlu.

***Andrena fulvitarsis* Brullé, 1832**
http://species-id.net/wiki/Andrena_fulvitarsis

Distribution in Turkey. Adana, Ankara, Çanakkale, İstanbul (Belgrat ormanı, Halkalı), Toros dağları (Warncke 1966); Adana, Ankara, Antalya (Anamur, Side), Çanakkale, Diyarbakır, Edirne, Erzurum (Horasan), İstanbul (Belgrat ormanı, Büyükdere), Karaman (Madenşehir), Kayseri (Yeşilhisar), Mersin (Gilindire, Gülek), Muğla (Marmaris), Niğde (Ulukışla), Şanlıurfa (Birecik) (Warncke 1974); Erzurum (Horasan) (Özbek 1976).

Material examined. Adana: Saimbeyli, 38°04'25"N, 36°09'88"E, 1468 m, 6.V.2007, 1 ♂, leg. B. Gülcü, C. Hazır; Ankara: Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Antalya: Taşağıl, Beydiğin köyü, 37°00'54"N, 31°22'74"E, 250 m, 20.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Aydın: Çakırbeyli-Koçarlı arası, 2.V.2004, 1 ♀, leg. B. Gülcü, Kuşadası, Dilek yarımadası milli parkı, İçmeler koyu, 15.IV.2005, 1 ♀, leg. B. Gülcü, S. Hazır, Koçarlı, Menderesin Çiftliği, 16.IV.2005, 2 ♀, leg. S. Hazır, Orhaneli-Bahçearası arası, 16.IV.2005, 4 ♀♀, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 20.IV.2005, 1 ♂, leg. B. Gülcü, S. Hazır, 4.IV.2006, 1 ♂, leg. B. Gülcü, S. Aydın, Kuşadası, Ağaçlı-Davutlar arası, 37°44'00"N, 27°19'17"E, 187 m, 10.IV.2006, 1 ♀, Söke, Akçakonak köyü, 37°41'30"N, 27°21'35"E, 20 m, 10.IV.2006, 1 ♀, Bafa gölü, Kapıkırı, 37°29'46"N, 27°32'21"E, 11 m, 11.IV.2006, 1 ♀, leg. C. Çobanoğlu, B. Gülcü, Atça, 37°52'40"N, 28°13'52"E, 52 m, 22.IV.2007, 5 ♀♀, leg. B. Gülcü, S. Hazır, Karacasu, 37°35'51"N, 28°37'00"E, 795 m, 24.IV.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°14'58"N, 37°15'56"E, 849 m, 5.V.2007, 1 ♂, leg. B. Gülcü, C. Hazır; İzmir: Selçuk civarı, 37°55'29"N, 27°21'44"E, 36 m, 13.III.2010, 1 ♂, leg. E. Scheuchl Karabük: Eflani yolu, Yağlıca köyü, 41°23'13"N, 32°50'06"E, 953 m, 10.VII.2005, 2 ♀♀, leg. B. Gülcü; Karaman: Başyayla-Ermenek arası, 36°40'02"N, 32°37'60"E, 1558 m, 22.V.2007, 1 ♂, leg. B. Gülcü, S. Hazır; Kırşehir: Karakaya köyü, 39°26'34"N, 33°28'24"E, 971 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl; Konya: Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 1 ♂, leg. B. Gülcü, S. Hazır, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü; Kütahya: Emet-Tavşanlı arası, 39°23'66"N, 29°21'27"E, 1172 m, 5.VI.2007, 3 ♀♀, 1 ♂, Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Manisa: Akhisar-Soma arası, 38°58'45"N, 27°47'36"E, 111 m, 23.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

***Andrena heinrichi* Grünwaldt, 2005**
http://species-id.net/wiki/Andrena_heinrichi

Distribution in Turkey. Aydın (Kuşadası) (Grünwaldt et al. 2005).

Material examined. Aydın: Çakırbeyli-Koçarlı arası, Çine çayı çevresi, 2.V.2004, 1 ♀, leg. B. Gülcü, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 19.IV.2007, 3 ♂♂, leg. B. Gülcü, S. Hazır.

***Andrena neocypriaca* Mavromoustakis, 1956**
http://species-id.net/wiki/Andrena_neocypriaca

Distribution in Turkey. Adapazarı, Hatay (Warncke 1966); Adapazarı, Antalya (Anamur, Side), Hatay (Antakya, Topboğazı), İzmir, Mersin (Mut), Muğla (Fethiye, Marmaris), Şanlıurfa (Birecik) (Warncke 1974).

Material examined. Aydın: Söke, 37°45'24"N, 27°21'94"E, 95 m, 28.V.2005, 1 ♀, leg. S. Hazır, Yılmazköy-Paşayaylası arası, 37°52'49"N, 27°53'57"E, 339 m, 30.IV.2006, 3 ♀♀, leg. B. Gülcü, S. Hazır; Gaziantep: Nurdağı-Gaziantep arası, 14.V.2005, 1 ♀, leg. B. Gülcü, A.B. Yasan; Kahramanmaraş: Kahramanmaraş-Göksun arası, 37°39'69"N, 36°41'75"E, 546 m, 5.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Mersin: Erdemli, 36°37'21"N, 34°19'96"E, 180 m, 22.V.2005, 1 ♀, leg. S. Hazır.

***Andrena osychniukae* Osytshnjuk, 1977**
http://species-id.net/wiki/Andrena_osychniukae

Synonym: *Andrena abbreviata* ssp. *osychniuki* Warncke, 1972 [recte: 1975]

Distribution in Turkey. All regions of the country (Warncke 1974); Erzurum (Horasan, Tortum) (Özbek 1976).

Material examined. Aksaray: 38°38'22"N, 33°44'31"E, 930 m, 5.VI.2005, 4 ♂♂, leg. E. Scheuchl Ankara: Kazan, 40°11'54"N, 32°60'73"E, 848 m, 6.VI.2004, 1 ♀, leg. S. Hazır; Aydın: Atça, 37°52'40"N, 28°13'52"E, 52 m, 22.IV.2007, 1 ♀, leg. B. Gülcü, S. Hazır; Çanakkale: Gelibolu yarımadası, Bayramlı-Çiftlik yolu, 40°08'04"N, 26°16'79"E, 95 m, 31.V.2009, 1 ♀, Bayramlı, Himidiye yaylası yolu, 40°08'74"N, 26°17'60"E, 197 m, 31.V.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Gaziantep: Gaziantep-Kahramanmaraş arası, 37°14'58"N, 37°15'56"E, 849 m, 5.V.2007, 2 ♀♀, leg. B. Gülcü, C. Hazır; Hatay: Serinyol, 36°22'07"N, 36°11'89"E, 152 m, 4.V.2007, 2 ♂♂, leg. B. Gülcü, C. Hazır; Karaman: Göktepe-Ermenek arası, 36°38'95"N, 32°41'13"E, 1616 m, 22.V.2007, 5 ♂♂, leg. B. Gülcü, S. Hazır; Kırklareli: Sarpdere çıkışı mağara yolu, 41°51'92"N, 27°34'93"E, 390 m, 1.VI.2009, 1 ♀, leg. B. Gülcü, C. Demirtaş; Kırşehir: Karakaya köyü, 39°26'34"N, 33°28'24"E, 971 m, 4.VI.2005, 1 ♀, leg. E. Scheuchl; Konya: Eskil-Aksaray arası, 37°42'74"N, 33°05'85"E, 920 m, 19.V.2005, 6 ♂♂, Tuz gölü çevresi, 38°44'83"N, 33°03'56"E, 940 m, 19.V.2005, 2 ♂♂, leg. S. Hazır, Ahırlı-Bozkır arası, 37°11'48"N, 32°12'89"E, 1200 m, 21.V.2007, 5 ♂♂, Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 1 ♀, leg. B. Gülcü, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007 , 1 ♀, 2 ♂♂, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°23'66"N, 29°21'27"E, 1172 m, 5.VI.2007, 1 ♀, leg. C. Hazır, S. Hazır; Mersin: Sertavul-Mut arası, 36°48'36"N, 33°19'48"E, 1270 m, 21.V.2005, 1 ♂, leg. S. Hazır.

***Andrena paradoxa* Friese, 1921**
http://species-id.net/wiki/Andrena_paradoxa

Synonym: *Andrena concinna* ssp. *paradoxa* Friese, 1921

Distribution in Turkey. Mersin (Gülek), Amanos dağları (Warncke 1974).

Material examined. Ankara: Hacettepe Üniversitesi Beytepe kampüsü, 29.V.2005, 1 ♀, leg. E. Scheuchl; Konya: Seydişehir-Beyşehir arası, 37°32'18"N, 31°48'36"E, 1166 m, 23.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır.

***Andrena schulzi* Strand, 1921**
http://species-id.net/wiki/Andrena_schulzi

Distribution in Turkey. Çanakkale (Hazir et al. 2012).

Material examined. Çanakkale: Çanakkaleye 10 km kala, 31.V.2009, 1 ♂, leg. B. Gülcü, C. Demirtaş.

Subgenus *Zonandrena* Hedicke, 1933

***Andrena flavipes* Panzer, 1798**
http://species-id.net/wiki/Andrena_flavipes

Distribution in Turkey. Balıkesir (Edremit), Bilecik, Bolu (Abant), Burdur, Çanakkale (Truva, Gelibolu), Denizli (Pamukkale), İstanbul (Selimpaşa), İzmir (Ensetepe), Karaman, Samsun (Dikbıyık) (Warncke 1969); All regions of the country (Warncke 1974); Erzurum (Oltu, Tortum, İspir, Horasan, Hınıs, Aşkale), Iğdır, Tunceli, Elazığ (Özbek 1976).

Material examined. Adana: Bekirli köyü, 37°11'59"N, 35°12'57"E, 131 m, 23.IV.2004, 2 ♀♀, leg. C. Çobanoğlu, Ceyhan, 23.IV.2005, 2 ♀♀, Misis-Ceyhan arası, 23.IV.2005, 1 ♀, Çukurova Üniversitesi, Balcalı kampüsü, 16.VI.2005, 1 ♀, leg. S. Hazır, Göksun-Tufanbeyli arası, 38°14'76"N, 36°18'22"E, 1449 m, 6.V.2007, 1 ♀, leg. B. Gülcü, C. Hazır; Afyon: Köroğlu dağ geçiti, 38°55'20"N, 30°53'40"E, 1295 m, 21.VI.2006, 1 ♀, leg. E. Scheuchl; Aksaray: 38°28'97"N, 33°53'30"E, 973 m, 5.VI.2005, 1 ♂, leg. B. Gülcü, S. Hazır, 38°37'29"N, 33°45'21"E, 921 m, 3.V.2007, 4 ♀♀, leg. B. Gülcü, C. Hazır; Amasya: Mecidözü: 40°32'44"N, 35°20'85"E, 757 m, 17.VI.2005, 1 ♂, leg. B. Gülcü; Ankara: Kazan, 29.VI.2004, 1 ♀, 1 ♂, leg. S. Hazır, Hacettepe Üniversitesi, Beytepe kampüsü, 11.V.2005, 1 ♂, leg. C. Çobanoğlu, 1 ♀, leg. E. Scheuchl, Gölbaşı, 39°31'10"N, 32°52'02"E, 19.V.2005, 1 ♂, leg. S. Hazır, Hacettepe Üniversitesi, Beytepe kampüsü, 3.VI.2005, 3 ♀♀, 1 ♂, leg. C. Çobanoğlu, Beypazarı, Boztepe, 9.VI.2005, 4 ♀♀, leg. E. Aytekin, Hacettepe Üniversitesi, Beytepe kampüsü, 27.VI.2005, 1 ♀, leg. E. Scheuchl, Beypazarı, Dölek

yolu, Kargı köyü, 4.VIII.2005, 3 ♀♀, 1 ♂, leg. E. Aytekin, Hacettepe Üniversitesi, Beytepe kampüsü, 21.IV.2006, 8 ♀♀, 28.IV.2006 9 ♀♀, 4 ♂♂, leg. C. Çobanoğlu, Çamlıdere, 40°32'22"N, 32°30'15"E, 1345 m, 17.VI.2006, 1 ♀, Kurtboğazı barajı çevresi, 40°16'28"N, 32°41'19"E, 1014 m, 17.VI.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl; Antalya: Kemer: 36°35'14"N, 30°32'32"E, 30 m, 13.IV.2006, 9 ♀♀, Manavgat-Alanya arası, 36°44'57"N, 31°30'31"E, 6 m, 13.IV.2006, 3 ♀♀, Hacıobası-Akseki arası, 36°44'01"N, 31°36'10"E 17 m, 14.IV.2006 1 ♀, leg. C. Çobanoğlu, B. Gülcü, Kemerköy-Gömbe arası, 36°25'47"N, 29°40'08"E, 1540 m, 7.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl, Taşağıl, Beydiğin köyü, 37°00'54"N, 31°22'74"E, 250 m, 20.V.2007, 4 ♀♀, leg. B. Gülcü, S. Hazır, Başlar köyü, 37°07'95"N, 31°28'36"E, 952 m, 21.V.2007, 3 ♀♀, leg. C. Hazır; Aydın: Kuşadası, Davutlar, 15.IV.2005, 1 ♀, Bahçelerarası, 16.IV.2005, 1 ♀, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 20.IV.2005, 1 ♀, leg. B. Gülcü, S. Hazır, Kuşadası, Dilek yarımadası milli parkı, 37°41'52"N, 27°09'12"E, 0 m, 27.V.2005, 1 ♂, leg. S. Hazır, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.II.2006, 1 ♀, 2 ♂♂, leg, B. Gülcü, S. Aydın, Yenipazar-Bozdoğan arası, Alamut köyü, 37°48'49"N, 28°18'48"E, 61 m, 23.II.2006, 1 ♂, leg. B. Gülcü, S. Hazır; Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 1.III.2006, 2 ♂♂, 31.III.2006, 1 ♂, leg. B. Gülcü, S. Aydın, Söke, Akçakonak köyü, 37°41'30"N, 27°21'35"E, 20 m, 10.IV.2006, 1 ♀, Söke, Tuzburgazi, 37°37'13"N, 27°12'20"E, 4 m, 10.IV.2006, 6 ♀♀, Bafa gölü çevresi, 37°28'25"N, 27°25'17"E, 11 m, 11.IV.2006, 1 ♂, leg. C. Çobanoğlu, B. Gülcü, Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'27"N, 27°51'14"E, 176 m, 21.VI.2006, 5 ♀♀, Atça, 37°52'40"N, 28°13'52"E, 52 m, 22.IV.2007, 1 ♀, Hamzabalı-Çavdarköy arası, 37°47'45"N, 28°07'41"E, 176 m, 22.IV.2007, 1 ♀, Karacasu, Yazır-Bingeş arası, 37°38'05"N, 28°39'03"E, 860 m, 24.IV.2007, 3 ♀♀, Karacasu, Yazır-Nargedik arası, 37°40'16"N, 28°38'49"E, 630 m, 24.IV.2007, 1 ♀, Karacasu, Yukarıgörle-Karabağlar arası, 37°33'21"N, 28°37'45"E, 554 m, 24.IV.2007, 1 ♀, Ovacık, 38°03'02"N, 28°08'09"E, 1089 m, 24.VI.2008, 1 ♀, leg. B. Gülcü, S. Hazır; Bayburt: 26.VII.2004, 1 ♀, leg. S. Hazır; Bolu: Seben, 10.VII.2004, 1 ♀, leg. S. Hazır; Burdur: Dirimli dağ geçiti, 36°55'56"N, 29°38'39"E, 1350 m, 6.VI.2006, 1 ♀, Söğüt-Çavdır arası, 37°06'36"N, 29°44'00"E, 1116 m, 6.VI.2006, 1 ♀, 2 ♂♂, Tefenni, 37°20'40"N, 29°48'24"E 1132 m, 8.VI.2006, 1 ♂, leg. C. Çobanoğlu, E. Scheuchl; Çanakkale: Gelibolu yarımadası, Bayramlı-Çiftlik yolu, 40°08'04"N, 26°16'79"E, 95 m, 31.V.2009, 1 ♀, Çanakkale şehitlik abidesi yolu, 40°07'49"N, 26°17'75"E, 56 m, 31.V.2009 2 ♂♂, Bayramlı, Himidiye yaylası yolu, 40°08'74"N, 26°17'60"E, 197 m, 31.V.2009, 2 ♀♀, leg. B. Gülcü, C. Demirtaş; Çankırı: Saçakbeli dağ geçiti, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 3 ♂♂, leg. E. Scheuchl; Çorum: 40°34'47"N, 34°38'73"E, 646 m, 17.VI.2005, 1 ♂, Bayat, 40°40'06"N, 34°27'19"E, 715 m, 17.VI.2005, 1 ♀, leg. A.B. Yasan; Denizli: 37°50'01"N, 29°02'51"E, 345 m, 12.IV.2006, 4 ♀♀, Denizli-Serinhisar arası, 37°42'38"N, 29°12'17"E, 697 m, 12.IV.2006, 1 ♀, Serinhisar-Acıpayam arası, 37°29'31"N, 29°19'03"E, 879 m, 12.IV.2006, 2 ♀♀, leg. C. Çobanoğlu, B. Gülcü; Düzce: Düzce-Akçakoca arası, 41°00'05"N, 31°11'15"E, 261 m, 9.VII.2005, 3 ♂♂, leg. B. Gülcü; Hatay: Yayladağı, 35°55'20"N, 36°02'86"E, 437 m, 16.V.2006,

8 ♀♀, Altınözü, 36°06'57"N, 36°16'27"E, 204 m, 17.V.2006, 3 ♀♀, Kırıkhan-Belen arası, 36°27'23"N, 36°18'70"E, 90 m, 17.V.2006, 6 ♀♀, leg. C. Çobanoğlu, S. Hazır; Kahramanmaraş: Kahramanmaraş-Türkoğlu arası, 37°29'08"N, 36°53'67"E, 460 m, 18.V.2006, 2 ♀♀, leg. C. Çobanoğlu, S. Hazır; Karabük: Bartın-Safranbolu arası, 41°26'54"N, 32°44'52"E, 364 m, 10.VII.2005, 2 ♂♂, leg. B. Gülcü; Kastamonu: Kastamonu-Ilgaz arası, 41°07'04"N, 33°45'14"E, 1274 m, 11.VII.2005, 1 ♂, leg. B. Gülcü, Tosya-İskilip arası, 40°56'18"N, 34°15'10"E, 1507 m, 19.VI.2006, 1 ♀, 1 ♂, Türbe dağı geçiti, 40°56'14"N, 34°12'33"E, 1625 m, 19.VI.2006, 2 ♀♀, leg. B. Gülcü, E. Scheuchl; Kayseri: Kayseri-Erciyes arası, 38°36'57"N, 35°30'48"E, 1680 m, 20.VI.2006, 2 ♀♀, leg. E. Scheuchl; Kırıkkale: 39°55'25"N, 33°59'05"E, 1165 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan; Kırşehir: Mucur-Nevşehir arası, 38°58'59"N, 34°32'76"E, 1149 m, 4.VI.2005, 2 ♂♂, leg. B. Gülcü, S. Hazır; Konya: Kulu, 38°54'98"N, 32°59'56"E, 1140 m, 19.V.2005, 3 ♂♂, Seydişehir, 37°23'45"N, 32°02'18"E, 1090 m, 25.V.2005, 1 ♂, leg. S. Hazır, Ahırlı-Bozkır arası, 37°15'06"N, 32°09'00"E, 1201 m, 21.V.2007, 1 ♀, leg. B. Gülcü, S. Hazır, Bozkır-Yalnızca arası, 37°09'58"N, 32°15'75"E, 1464 m, 21.V.2007, 1 ♀, leg. B. Gülcü, Akören, 37°31'22"N, 32°38'71"E, 1030 m, 23.V.2007, 1 ♀, Akören-Seydişehir arası, 37°28'22"N, 32°20'69"E, 1159 m, 23.V.2007, 2 ♀♀, leg. B. Gülcü, S. Hazır; Kütahya: Emet-Tavşanlı arası, 39°23'66"N, 29°21'27"E, 1172 m, 5.VI.2007. 4 ♀♀, 39°27'30"N, 29°19'03"E, 881 m, 5.VI.2007, 1 ♀, Tavşanlı-Harmancık arası, 39°34'91"N, 29°24'85"E, 851 m, 5.VI.2007, 4 ♀♀, leg. C. Hazır, S. Hazır; Manisa: Salihli, 16.VII.2005, 1 ♀, leg. B. Gülcü, S. Hazır, Demirci-Simav arası, 39°04'48"N, 28°43'36"E, 1260 m, 4.VI.2007, 1 ♂, leg. C. Hazır, S. Hazır; Mersin: Mut, 21.V.2005, 1 ♂, Sarıkaya-Sarıkavak arası, 37°05'80"N, 34°42'40"E, 920 m, 22.V.2005 1 ♂, Esenpınar, 36°35'40"N, 34°07'20"E, 810 m, 23.V.2005, 1 ♀, leg. S. Hazır, Mut-Sertavul arası, 36°47'94"N, 33°20'00"E, 1165 m, 23.V.2007, 1 ♀, leg. B. Gülcü; Muğla: Milas-Yatağan arası, 37°18'46"N, 27°59'88"E, 675 m, 27.V.2007, 2 ♀♀, leg. E. Scheuchl; Nevşehir: 38°58'59"N, 34°32'76"E, 1150 m, 4.VI.2005, 1 ♂, leg. E. Scheuchl; Samsun: Tekkeköy, 24.VII.2004, 1 ♀, leg. S. Hazır; Sivas: Koyulhisar-Mesudiye arası, 40°18'24"N, 37°51'38"E, 1221 m, 12.VIII.2005, 1 ♀, leg. B. Gülcü, S. Hazır; Yozgat: Akdağ madeni çevresi, 39°40'86"N, 35°45'89"E, 1254 m, 18.VI.2005, 1 ♀, Ozan köyü, 39°48'82"N, 35°08'42"E, 1166 m, 18.VI.2005, 1 ♀, leg. A.B. Yasan.

***Andrena gazella* Friese, 1922**
http://species-id.net/wiki/Andrena_gazella

Synonym: *Andrena gazella* ssp. *gazella* Friese, 1922

Distribution in Turkey. Diyarbakır, Erzurum, Mersin (Sertavul), Şanlıurfa (Warncke 1974); Erzurum (Özbek 1976).

Material examined. Ankara: Güvem-Çerkes arası, 40°41'15"N, 32°43'57"E, 1606 m, 18.VI.2006, 1 ♀, leg. B. Gülcü, E. Scheuchl; Çankırı: Saçakbeli dağ geçiti, 40°41'53"N, 33°00'46"E, 1473 m, 18.VI.2006, 3 ♀♀, 1 ♂, leg. B. Gülcü, E. Scheu-

chl; Burdur: Dirimli dağ geçiti, 36°55'56"N, 29°38'39"E, 1350 m, 6.VI.2006, 1 ♀, leg. C. Çobanoğlu, E. Scheuchl; Karabük: Eflani yolu, Yağlıca köyü, 41°23'13"N, 32°50'06"E, 953 m, 10.VII.2005, 1 ♀, leg. B. Gülcü.

***Andrena gravida* Imhoff, 1832**
http://species-id.net/wiki/Andrena_gravida

Distribution in Turkey. Balıkesir (Bigadiç), İstanbul (Büyükdere, Belgrad ormanı), İzmir (Selçuk), Karaman (Madenşehir), Kayseri (Erciyes dağı), Manisa (Kayapınar) (Warncke 1974).

Material examined. Aydın: Aytepe, Adnan Menderes Üniversitesi Kampüsü, 37°51'48"N, 27°51'49"E, 197 m, 24.IV.2011, 1 ♀, 3 ♂, leg. E. Scheuchl.

Discussion

Sandbees are morphologically similar and genera or subgenera are often difficult to differentiate typologically (Michener 2007). Currently 101 subgenera have been recognized with 51 of them restricted to the Palearctic (Dubitzky et al. 2010). Warncke (1975) recorded 294 species and 53 subgenera from Turkey demonstrating that it has a rich *Andrena* fauna with more than half of the subgenera and about 20% of species in the world. This result can be partially explained by its climatic richness. Turkey has Mediterranean, Iranian-Turanian and Euro-Siberian phytogeographical regions which lie at the intersection of different topographic-climatic features. This produces a wealth of plants and arid land which is suitable for building nests of *Andrena* species and may have been a driver in bee diversity.

The present study was a faunistic survey to determine the distribution of biological diversity of the genus *Andrena* in Turkey. The highest number of *Andrena* species (107 species) was found in Central Anatolia. This region has steppes and a dry continental climate. It occurs in the Iran-Turanian phytogeographic region with rich floral diversity (Avcı 2005). This wealth of plant diversity and an abundance of dry land is conducive for nest building and may have encouraged *Andrena* species diversity.

The numbers of *Andrena* species in the Black Sea, Eastern and Southeastern Anatolia regions were lower than those found in Central Anatolia for reasons relegated mostly to access to collecting sites. In the case of the Black Sea region it is because it receives rain at any time of the year which often prevents the collection of sufficient samples at flowers. Warncke collected bee samples in Black Sea region in different years and identified 59 species. Compared with other regions in Turkey, the Black Sea region represents the lowest number of *Andrena* species (Warncke 1966, 1969, 1974, 1975). Contrastingly, security problems in East and Southeast Anatolia regions substantially limited our field studies for political and safety reasons. We hypothesize that the diversity of *Andrena* species will be higher in future field studies in these regions with unfettered

access because Özbek (1976) identified 134 species in the Eastern region and Warncke (1966, 1969, 1974, 1975) also identified 64 species in the South East region.

In this study, 9 species in the genus *Andrena* in the Eastern region were identified. Seven of them had been recorded by Özbek (1975) in the same region. However, *A. dubiosa* and *A. cubiceps* species were recorded as a first time from Erzincan and Erzurum province, respectively.

The distribution of *A. dubiosa* in Central and Southern Anatolia regions and *A. cubiceps* in Aegean, Central, Marmara, Mediterranean and Southern Anatolia regions had been reported by Warncke (1966, 1969, 1974).

According to our data, *A. humilis*, *A. labialis* and *A. truncatilabris* are the most widely spread species in Turkey. These species were found in 6 geographic regions. *A. humilis* was reported in two regions of Turkey before (the Black Sea and Marmara regions) by Warncke (1966, 1969) whereas, *A. labialis* was reported in five regions of Turkey (Fahringer and Friese 1921, Fahringer 1922, Warncke 1974, Özbek 1976). *A. humilis* species was found for the first time in Aegean region with this study. It is known that *A. truncatilabris* prefers steppe areas and we have commonly found them in Central Anatolia. Although we haven't found *A. truncatilabris* in the Eastern region, previous studies reported that this species was present in this region (Özbek 1976). Thus, *A. truncatilabris* has been reported in every region of Turkey. Other common species are *A. lamiana*, *A. flavipes, A. panurgimorpha* and *A. fulvitarsis* have seen in all parts of the country (Warncke 1974).

The most number of specimens (154 females and 45 males) belong to *A. flavipes*. This species was collected from 5 different geographical regions (the Mediterranean, Aegean, Central Anatolia, Black Sea, and Marmara regions) and 31 provinces. However, this species was recorded in the Eastern region (Özbek 1976). Warncke (1974) reported that *A. flavipes* was an ubiquitous species. Özbek (1978) reported that populations of this species could be found close to honey bee populations in some regions in apple orchards. The high prevalence of *A. flavipes* may be explained by having a long flight period with two generations per year, polylectic host behavior and high ecological flexibility of the species (Özbek 1975; Osytshnjuk et al. 2005). Although *A. flavipes* species had generally big populations, some of the species were rarely encountered. These were: *A. erberi, A. astica, A. torda, A. cubicepsella, A. mucida, A. cussariensis, A. nitida, A. oralis, A. iliaca, A. propinqua, A. haemorrhoa*, *A. bassana* ssp. *etesiaca*, *A. delphiensis*, *A. paramythensis*, *A. rufomaculata*, *A. seitzi*, *A. tscheki*, *A. schulzi*. Only one specimen was caught from these species. Having a short flight period and/or specific host plant preference could be the reason of low prevalence.

The presence of *A. elisaria* and *A. platalea* are confirmed in the Mediterranean region for the first time with this study. However, the previous studies recorded *A. elisaria* and *A. platalea* species in the Eastern and Southeastern Anatolia regions (Gusenleitner 1998) and the Central and Eastern Anatolia regions (Warncke 1974, 1975; Özbek 1976), respectively.

Similar to previous studies, we have collected some species from only one region of Turkey. *A. tenuis*, *A. selcuki* and *A. stellaris* were obtained from only Central Anatolia region. On the other hand *A. mistrensis*, *A. efeana*, *A. propinqua*, *A. delphiensis* and *A. heinrichi* were obtained from only Aegean region. *A. paramythensis* and *A. rufomaculata* were determined in Mediterranean region. *A. schulzi* and *A. iliaca* were obtained from only Marmara and Southeastern Anatolia region, respectively. According to the data, the distribution of these species is possibly restricted to the determined regions.

Dubitzky (2005) indicates that most of the *Andrena* species fly from early spring until early summer and a few species occur in the summer or fall. The data obtained in our study support this observation. *Andrena* species are usually active in the spring according to our results. The flight period of the 112 identified species and 2 subspecies were between April and June.

According to our data, *A. bicolor* and *A. thoracica* have a longer flight period than previously reported. Although *A. bicolor* and *A. thoracica* were collected from April to July and April to August, respectively (Warncke 1966, 1974; Özbek 1976), we obtained them from February to August. Considering the long flight period of *A. thoracica* and *A. bicolor,* it is reasonable to hypothesize that these species are bivoltine in Turkey.

In this study, two *Andrena* species, *A. propinqua* and *A. paramythensis* were identified as a first record in Turkey.

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